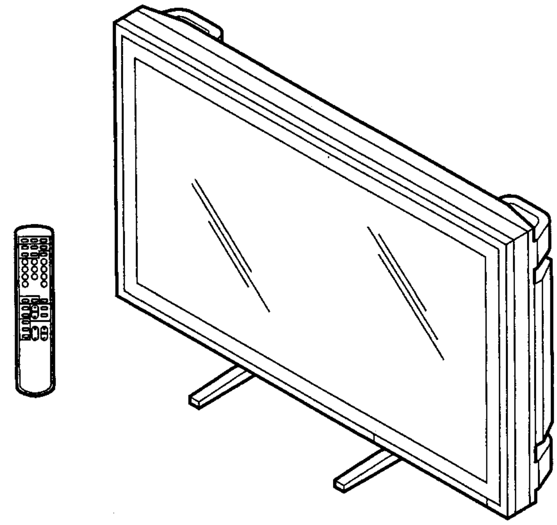
SERVICE MANUAL

MODEL	DEST.	MODEL
PFM-510A1WU	US/CND	RM-921
PFM-510A1WE	AEP	MB-514



FLAT PANEL MONITOR

SONY®

⚠ WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠ WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠ AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

WARNING!!

AN INSULATED TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY A ⚠ MARK ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION!!

AFIN D'ÉVITER TOUT RISQUE D'ÉLECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE.
LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS Á LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MAPQUE ⚠ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES ÇOMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

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Section 1
Operating Instructions

This section is extracted from operation manual.

1-1. PFM-510A1WU/510A1WE Operating Instructions

SONY

3-867-473-01 (1)

Flat Panel Monitor

Operating Instructions GB
Mode d'emploi FR
Bedienungsanleitung DE
Manual de instrucciones ES
Istruzioni per l'uso IT
取扱説明書 JP

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この取扱説明書には、事故を防ぐための重要な注意事項と製品の取り扱いかたを示しています。**この取扱説明書をよくお読みのうえ**、製品を安全にお使いください。お読みになったあとは、いつでも見られるところに必ず保管してください。

PFM-510A1WU
PFM-510A1WE
PFM-510A1WJ

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Sony Corporation Printed in Japan

WARNING

Owner's Record

The model and serial numbers are located on the rear. Record the model and serial numbers in the spaces provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No.________ Serial No.________

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

For the customers in the U.S.A.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

For the customers in Canada

This class A digital apparatus complies with Canadian ICES-003.

For the customers in Europe

This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

For PFM-510A1WE users

THIS APPARATUS MUST BE EARTHED

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Green-and-yellow : Earth
Blue : Neutral
Brown : Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:
The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked with the letter E or by the safety earth symbol ⏚ or coloured green or green-and-yellow.
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Voor de klanten in Nederland

Bij dit produkt zijn batterijen geleverd.
Wanneer deze leeg zijn, moet u ze niet weggooien maar inleveren als KCA.

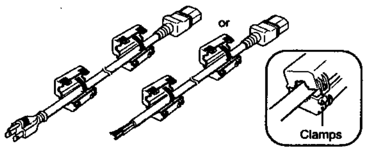
The socket-outlet should be installed near the equipment and be easily accessible.

Note

When you connect a computer to this monitor, attach the supplied ferrite cores. If you do not do this, this monitor will not conform to mandatory FCC/IC/CE (EN55022) standards.

Attaching the ferrite cores

Set the ferrite cores on the both ends of the AC power cord. Close the lid tightly until the clamps click.



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Precautions

On safety

- Operate the unit on 100 to 120 V AC or 220 to 240 V AC.
- The nameplate indicating operating voltage, power consumption, etc. is located on the rear.
- Should any solid object or liquid fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it is not to be used for several days or more.
- To disconnect the AC power cord, pull it out by grasping the plug. Never pull the cord itself.
- When the unit is installed on the floor, be sure to use the retractable feet.

On installation

- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.
- Do not install the unit in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- When you install multiple equipment with the unit, the following, such as Remote Commander's malfunction, noisy picture, noisy sound, may occur depending on the position of the unit and other equipment.

On PDP (Plasma Display Panel)

- There may be some tiny black points and/or bright points on the PDP. These points are normal.
- Do not display a same still image on the screen for long, consecutive time. Otherwise, the afterimage may appear on a part of a panel. Use the screen saver eventually to equalize the screen display.

On cleaning

To keep the unit looking brand-new, periodically clean it with a mild detergent solution. Never use strong solvents such as thinner or benzine, or abrasive cleansers since these will damage the cabinet. As a safety precaution, unplug the unit before cleaning it.

On repacking

Do not throw away the carton and packing materials. They make an ideal container in which to transport the unit. When shipping the unit to another location, repack it as illustrated on the carton.

If you have any questions about this unit, contact your authorized Sony dealer.

Features

The PFM-510A1W series are 16:9 42-inch flat panel monitor adopting the PDP (Plasma Display Panel) and accepts various types of signals with the built-in scan converter.

Improved image quality

The PDP achieves higher image quality with 1024 × 1024 lines. This makes for finely-detailed HDTV and PC images.
You can get greater brightness and contrast over conventional monitors.

Internal high-performance scan converter

The monitor has a high performance scan converter. Using a unique algorithm, the monitor processes signals in a wide range of formats – Video, HDTV, PC, etc.

Flexibility

An option slot is in place for future expansion.
The slot-in option adapter allows for quick and easy system upgrades.

Other features

- Three sets of video inputs with audio inputs: one composite video or Y/C inputs, one RGB input, and one RGB/component input.
- Displays the HDTV signal with tri-level sync signal.
- Three dimensional comb filter for NTSC Y/C separation.
- Line correlation comb filter for PAL Y/C separation.
- Automatic input signal detection with indication.
- Windows95/98[1] PnP (Plug and Play) compatible.
- Picture AGC function — this function automatically adjusts and improves the contrast when a low intensity signal is input.
- On-screen menu for various adjustments and settings
- On-screen display in five languages for user-friendly access.
- Fine adjustment of image size and position
- Memory function for storage of up to five picture settings.
- ID control
- Self-diagnosis function.
- Remote (RS-232C) connector (mini DIN 8-pin)
- Control-S connector
- Accepts infrared or wired Sony Remote Commanders using SIRCS code.
- Vertical setup

Warning on power connection

Use a proper power cord for your local power supply.

	United States, Canada	Continental Europe		United Kingdom, Ireland, Australia, New Zealand	Japan
Plug type	VM0033B	COX-07	636	—	VM1296
Female end	VM0113	COX-02	VM0310B	VM0303B	VM1313
Cord type	SJT	H05VV-F		CEE (13) 53rd (O.C)	HVCTF
Minimum cord set rating	13A/125V	10A/250V		10A/250V	10A/125V
Safety approval	UL/CSA	VDE		VDE	DENTORI

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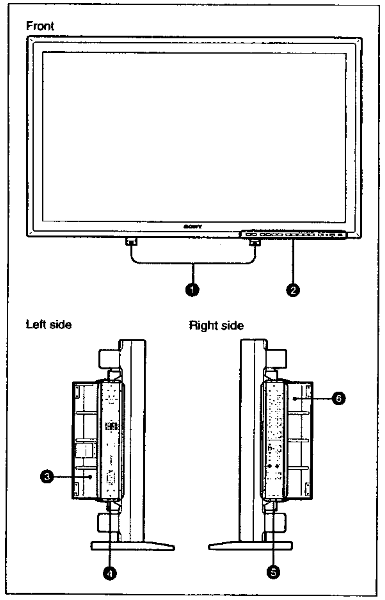
[1] Windows95/98 is a registered trademark of the Microsoft Corporation.

Location and Function of Parts and Controls

Front / Sides



❶ **Retractable feet**
Use for setting the monitor on the floor.
For details on using the retractable feet, see "Using the Retractable Feet" on page 12 (GB).

❷ **Control panel**
For details on the control panel, see "Control Panel" on page 7 (GB).

❸ **Left panel cover**
Open it when using the left connector panel.
You can install the Remote Commander in the back of this cover.
For details on opening the panel cover, see the right on this page.

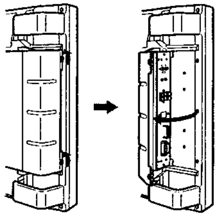
❹ **Left connector panel**
For details on the left connector panel, see "Left Connector Panel" on page 10 (GB).

❺ **Right connector panel**
For details on the right connector panel, see "Right Connector Panel" on page 8 (GB).

❻ **Right panel cover**
Open it when using the right connector panel.
For details on opening the panel cover, see the below on this page.

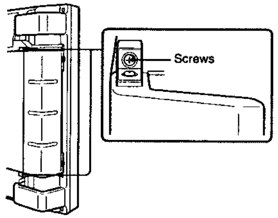
To open the panel cover

Loosen the screws counterclockwise and open the cover.



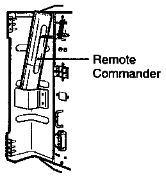
To take off the panel cover

Loosen the screws as illustrated below and take off the panel cover.



To install the Remote Commander in the panel cover

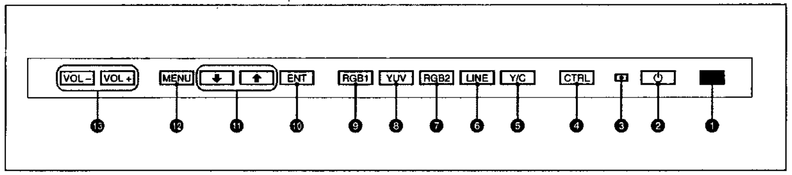
Install the Remote Commander in the back of the left panel cover as illustrated below.



Note

When housing the Remote Commander, make sure that the top of the Remote Commander faces upward and rear faces outside.

Control Panel



❶ **Remote control detector**
Receives the beam from the Remote Commander.

❷ **⏻ (standby) switch/⏻ (standby) indicator**
Press to turn the monitor on. Press again to go back to the standby mode.
The ⏻ (standby) indicator lights up in red in the standby mode.
When the ⏻ indicator flashes, see "Self-diagnosis Function" on page 26 (GB).

❸ **Power indicator**
Lights up when the monitor is turned on.

❹ **CTRL (control) button**
To operate the buttons on the control panel, first press this button. Then the buttons light up or flash that show they can be operated. Press again to deactivate them.

Note

The buttons (except for ⏻ (standby) switch ❷) on the control panel do not function if you do not press the CTRL button first.

❺ **Y/C button**
Select the signal input from the Y/C IN jack in the LINE connectors.

❻ **LINE button**
Select the signal input from the VIDEO IN connector in the LINE connectors.

❼ **RGB2 button**
Select the signal input from the RGB2 connectors.

❽ **YUV button**
Select the component signal input from the RGB1 connectors.

❾ **RGB1 button**
Select the RGB signal input from the RGB1 connectors.

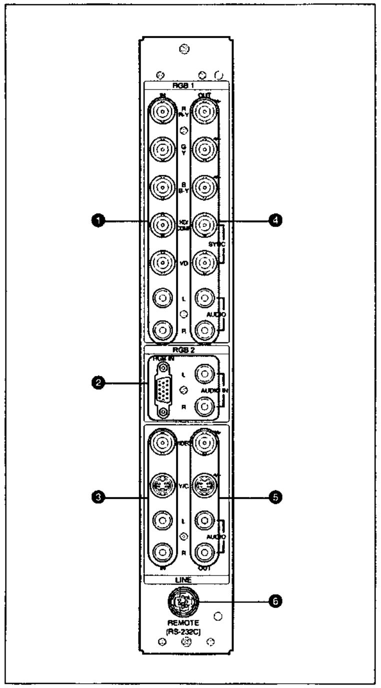
❿ **ENT (enter) button**
Press to select the desired item in a menu.

⓫ **⬆/⬇ buttons**
Press to move the cursor (▶) to an item or to adjust value in a menu.

⓬ **MENU button**
Press to make the menu appear.

⓭ **VOL (volume) +/– buttons**
Press the + button to increase the volume, or the – button to decrease the volume.

Right Connector Panel



Note

The image enhancing process for video signals (NTSC, PAL) works only for composite (Y/C) or component (Y/R-Y/B-Y) input.
The image from the RGB input may looked blurred. This is normal.

❶ RGB1 IN connectors

R (R-Y)/G (Y)/B (B-Y) IN (BNC-type): Input the analog RGB signal or component signal. Connect to the RGB signal or component (Y/B-Y/R-Y) signal output of a computer or video equipment. This unit also accepts the HD analog component (Y/P_B/P_R) signal. Input the P_B signal to the B (B-Y) IN connector and P_R signal to the R (R-Y) IN connector.

HD/COMP IN (BNC-type): Input the H sync signal or composite sync signal. Connect to the H sync signal or composite sync signal output of a computer or video equipment.

VD IN (BNC-type): Input the V sync signal. Connect to the V sync signal output of a computer or video equipment.

External sync signal is selected automatically. See the priority chart below.

Input connector	Input sync signals		
HD/COMP IN	H Sync	Comp Sync	—
VD IN	V Sync	—	—
G(Y) IN	Sync on G	Sync on G	Sync on G
Sync signals to be selected	H Sync V Sync	Comp Sync	Sync on G

AUDIO IN (L/R) (phono type): Input the audio signal. Connect to the audio output of a computer or video equipment. Connect to the channel L when the audio signal is monaural.

❷ RGB2 IN connectors

RGB IN (D-sub 15-pin): Connect to the RGB signal output of a computer.

AUDIO IN (L/R) (phono type): Input the audio signal. Connect to the audio output of a computer. Connect to the channel L when the audio signal is monaural.

❸ LINE IN connectors

VIDEO IN (BNC-type): Connect to the composite video signal output of the video equipment.

Y/C IN (Mini DIN 4-pin): Connect to the Y/C signal output of the video equipment.

AUDIO IN (L/R) (phono type): Connect to the audio output of the video equipment. Connect to the channel L when the audio signal is monaural.

❹ RGB1 OUT connectors

These connectors are used as loop-through outputs of the RGB1 IN connectors ❶.
When the plug is connected to the RGB OUT connectors, the 75-ohms termination of the RGB IN connectors is released, and the signal input to the RGB IN connectors is output from the these connectors.

R (R-Y)/G (Y)/B (B-Y) OUT (BNC-type): Loop-through outputs of the RGB IN connectors. Connect to the RGB signal or component (Y/B-Y/R-Y) signal input of another monitor.

HD/COMP OUT (BNC-type): Loop-through output of the HD/COMP IN connector. Connect to the H sync signal or composite sync signal input of another monitor.

VD OUT (BNC-type): Loop-through output of the VD IN connector. Connect to the V sync signal input of another monitor.

Note

The HD/COMP OUT and VD OUT connectors are high impedance outputs.
When using these outputs, connect a monitor with high impedance sync input connector, or the picture might be oscillated or disappeared because of the sync signal level mismatch.

AUDIO OUT (L/R) (phono type): Loop-through outputs of the AUDIO IN jacks. Connect to the audio inputs of another monitor.

❺ LINE OUT connectors

These connectors are used as loop-through outputs of the LINE IN connectors ❸.
When the plug is connected to the VIDEO OUT connector or Y/C OUT jack, the 75-oms termination of the VIDEO IN connector or Y/C IN jack is released, and the signal input to the VIDEO IN or Y/C IN jack is output from the VIDEO OUT connector or Y/C OUT jack.

VIDEO OUT (BNC-type): Connect to the composite video signal input of another monitor or video equipment.

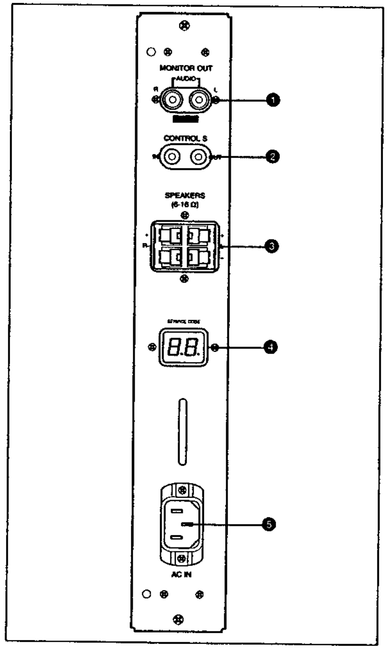
Y/C OUT (Mini DIN 4-pin): Connect to the Y/C signal input of another monitor or video equipment.

AUDIO OUT (L/R) (phono type): Loop-through outputs of the AUDIO IN jacks. Connect to the audio inputs of another monitor or video equipment.

❻ REMOTE (RS-232C) connector (mini DIN 8-pin)

This connector allows remote control of the monitor using the RS-232C protocol. For details, see your authorized Sony dealer.

Left Connector Panel



❶ MONITOR OUT AUDIO (L/R) jacks (phono type)
Output the signal input from the AUDIO IN jacks. Connect to the audio inputs of an audio amplifier (not supplied).

Note

These jacks are variable outputs. Set the volume to maximum position to set the output level to 500 mVrms.

❷ CONTROL S IN/OUT jacks (mini jacks)
Connect to the CONTROL S jacks of video equipment or another monitors. Then you can simultaneously control all equipment with a single Remote Commander.
To control equipment by aiming the supplied Remote Commander to the remote control detector of the monitor, connect the CONTROL S OUT jack of the monitor and the CONTROL S IN jack of other equipment.

Notes

- If you connect the CONTROL S IN jack to the other equipment's CONTROL S OUT jack, you cannot operate the monitor with the Remote Commander.
- You can use the stereo cable with mini plug instead of the control S cable.

❸ SPEAKERS L/R terminals
Connect to speakers with 6 to 16 ohms impedance.

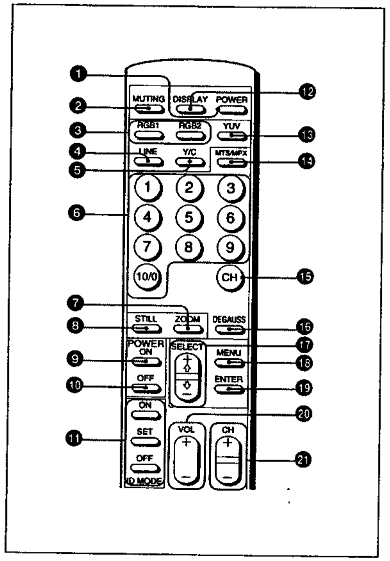
Note

Do not connect the speaker's cord to the monitor and to an amplifier simultaneously, or an excessive electric current might flow from the amplifier and damage the monitor.

❹ SERVICE CODE indicator
The indicator is only for qualified personnel.

❺ ~AC IN socket
Connect the supplied AC power cord to this socket and to a wall outlet. Once you connect the AC power cord, the monitor turns to standby mode.

Remote Commander RM-921



❶ POWER switch
Press to turn on the monitor. Press again to go back to the standby mode.

Note

When using multiple monitors, press this switch to turn monitors which are already on into the standby mode, or turn on monitors which are in the standby mode.

❷ MUTING button
Press to mute the sound. Press this button again or press the VOL (volume) +/– button to obtain the sound again.

❸ RGB1/RGB2 buttons
Select the signal input from the RGB1 or RGB2 connectors.

❹ LINE button
Selects the signal input from the VIDEO IN connector in the LINE connectors.

❺ Y/C button
Selects the signal input from the Y/C IN jack in the LINE connectors.

❻ Number buttons
Press to select the index number.

❼ ZOOM button
This button does not operate with the monitor.

❽ STILL button
This button does not operate with the monitor.

❾ POWER ON switch
Press to turn on the monitor. When you use multiple monitors, you can use this switch instead of the POWER switch ❶ not to affect another monitor which is already turned on.

❿ POWER OFF switch
Press to turn the monitor into the standby mode. When you use multiple monitors, you can use this switch instead of the POWER switch ❶ not to affect another monitor which are in the standby mode.

⓫ ID MODE (ON/SET/OFF) buttons
Press the ON button to make an index number appear on the screen. Then press the index number of the monitor you want to operate and press the SET button. After you finish the operation, press the OFF button to return to the normal mode.

⓬ DISPLAY button
Displays the input signal information on the top of the monitor screen. Press again to clear it.

⓭ YUV button
Selects the component signal input from the RGB1 connectors.

⓮ MTS/MPX button
This button does not operate with the monitor.

⓯ CH button
This button does not operate with the monitor.

⓰ DEGAUSS button
This button does not operate with the monitor.

⓱ SELECT +↑/–↓ buttons
Press to move the cursor (▶) to an item or to adjust value in a menu.

⓲ MENU button
Press to make the menu appear.

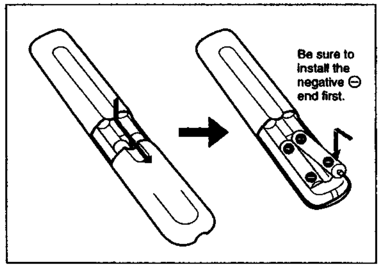
⓳ ENTER button
Press to select the desired item in a menu.

⓴ VOL +/– buttons
Press the + button to increase the volume, or the – button to decrease the volume.

㉑ CH +/– buttons
This button does not operate with the monitor.

Installing batteries

Insert two size AA (R6) batteries in correct polarity.


Be sure to install the negative ⊖ end first.

- In normal operation, batteries will last up to half a year. If the Remote Commander does not operate properly, the batteries might be exhausted. Replace them with new ones.
- To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the Remote Commander for a fairly long time.

When the Remote Commander does not work

Check that the ⏻ indicator lights up. The Remote Commander operates the monitor only when the monitor is turned on, or it is in the standby mode.

Note

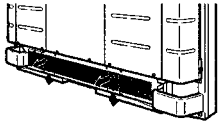
If you connect the cable to the CONTROL S IN jack on the side of the monitor, you cannot operate the monitor with the Remote Commander.

Installation

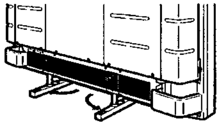
Using the Retractable Feet

This section describes the installation arrangements for installing the projector.

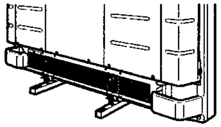
1 Pull out the knobs and pull down the retractable feet.



2 Turn the retractable feet outward.

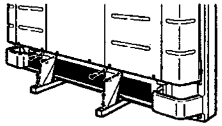


3 Push in the retractable feet and lock.



To fix the retractable feet

When the unit is installed on the floor, be sure to fix the retractable feet.
Install the foot support brackets as illustrated below.

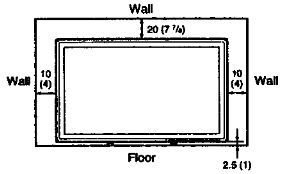


Caution

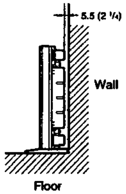
- When you install the monitor, make sure there is more space than that shown in the figure below.
- The ambient temperature must be 0°C – +35°C (32°F – 95°F).

When using the retractable feet

Front


Wall
20 (7 7/8)
Wall
10 (4)
10 (4)
Wall
Floor
2.5 (1)

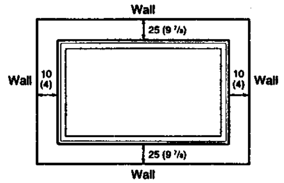
Side


5.5 (2 1/4)
Wall
Floor

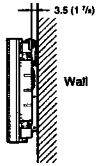
Units: cm (inches)

When using the mounting bracket

Front


Wall
25 (9 7/8)
Wall
10 (4)
10 (4)
Wall
25 (9 7/8)
Wall

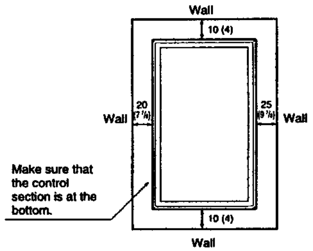
Side



Units: cm (inches)

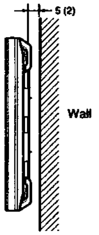
Hooked on the wall: Vertically

Front


Wall
10 (4)
Wall
20 (7 7/8)
25 (9 7/8)
Wall
10 (4)
Wall

Make sure that the control section is at the bottom.

Side

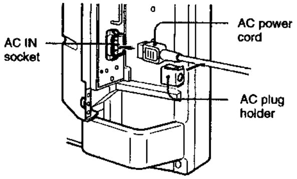


Units: cm (inches)

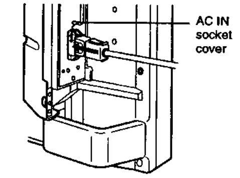
Connections

Connecting the AC Power Cord

1 Plug the power cord into the AC IN socket. Then, attach the AC plug holder (supplied) to the AC power cord.


AC IN socket
AC power cord
AC plug holder

2 Slide the AC plug holder over the cord until it connects to the AC IN socket cover.


AC IN socket cover

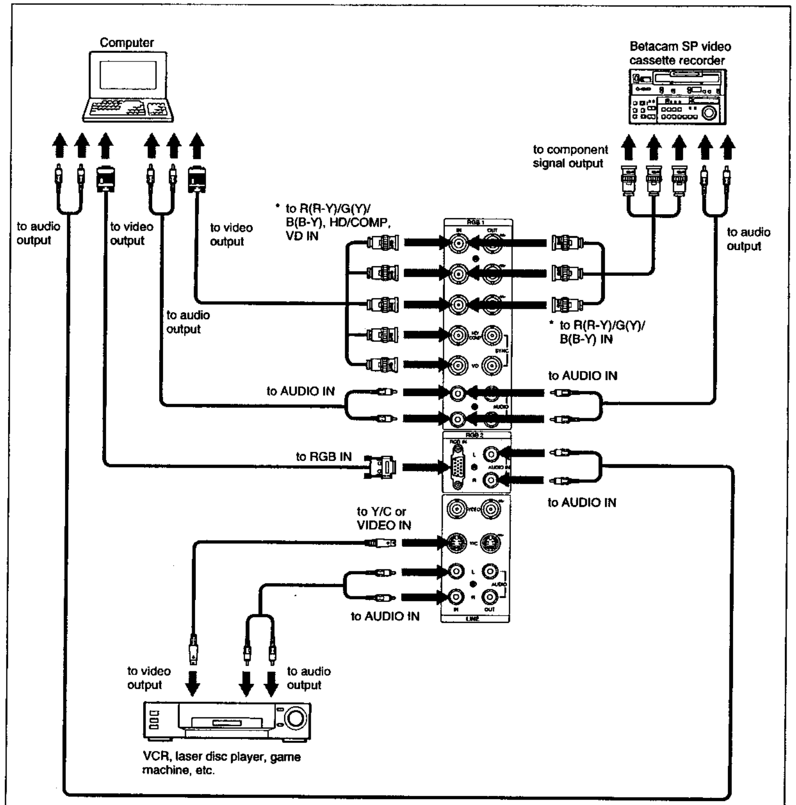
To remove the AC power cord

Squeeze the upper and lower sides and pull out the AC plug holder.

Connection Example

Before you get started

- First make sure that the power to each piece of equipment is turned off.
- Use connecting cables suitable for the equipment to be connected.
- The cable connectors should be fully inserted into the jacks. A loose connection may cause hum and other noise.
- To disconnect the cable, pull out by grasping the plug. Never pull the cable itself.
- Read the instruction manual of the equipment to be connected.


Computer
Betacam SP video cassette recorder
to audio output
to video output
to video output
* to R(R-Y)/G(Y)/B(B-Y), HD/COMP, VD IN
to component signal output
to audio output
to audio output
* to R(R-Y)/G(Y)/B(B-Y) IN
to AUDIO IN
to AUDIO IN
to RGB IN
to AUDIO IN
to Y/C or VIDEO IN
to AUDIO IN
to video output
to audio output
VCR, laser disc player, game machine, etc.

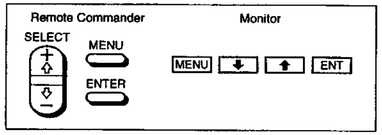
* cannot be used at the same time.

Using On-screen Menus

Operating Through Menus

Menu operating buttons

There are four buttons on the monitor and the Remote Commander for menu operations.

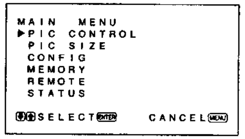


The buttons on the control panel are used for explanation purpose in this operating instructions. The ENTER button on the Remote Commander has the same function as the ENT button on the control panel and the SELECT +⬆/–⬇ buttons on the Remote Commander as same as the ⬆/⬇ buttons on the control panel.

Configuration of the menu

To select the language used in the menu, see page 26 (GB).

1 Press MENU.
The main menu appears on the monitor screen.



```
MAIN   MENU
▶PIC  CONTROL
 PIC  SIZE
 CONFIG
 MEMORY
 REMOTE
 STATUS

⬇⬆SELECT ENTER      CANCEL MENU
```

2 Press ⬆/⬇ to move the cursor (▶) and press ENT to select a menu.
The selected menu appears on the monitor screen.

3 Press ⬆/⬇ to move the cursor (▶) and press ENT to select an item.
The menu for the selected item appears on the monitor screen.

4 Press ⬆/⬇ to adjust or select the setting and press ENT to set.
The setting is registered and the menu returns to the previous menu.

To return to the normal screen, press the MENU button repeatedly until the menu disappears.

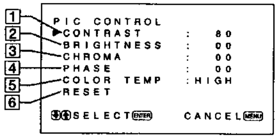
Menu Guide

Note

"– – – –" appears next to an item when its function is not available. The availability depends on the types of input signal.

PIC CONTROL menu

This menu is used for adjusting the picture.



```
PIC  CONTROL
▶CONTRAST       :   80
 BRIGHTNESS     :   00
 CHROMA         :   00
 PHASE          :   00
 COLOR  TEMP    : HIGH
 RESET

⬇⬆SELECT ENTER      CANCEL MENU
```

1 CONTRAST
Press ⬆ to increase the contrast and press ⬇ to decrease it.

2 BRIGHTNESS
Press ⬆ to make the picture brighter and press ⬇ to make it darker.

3 CHROMA
Press ⬆ to increase color saturation and press ⬇ to decrease it.

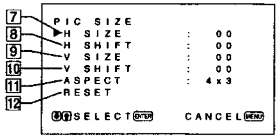
4 PHASE
Press ⬆ to make overall picture greenish and press ⬇ to make it purplish.

5 COLOR TEMP
Select a color temperature from HIGH or LOW.

6 RESET
Select to restore the factory settings in the PIC CONTROL menu items 1 to 5.
For details on using the reset function, see "Restoring the PIC CONTROL Menu Items to Original Settings" on page 22 (GB).

PIC SIZE menu

This menu is used for positioning and resizing the picture.



```
PIC  SIZE
▶H  SIZE        :   00
 H  SHIFT       :   00
 V  SIZE        :   00
 V  SHIFT       :   00
 ASPECT         :  4x3
 RESET

⬇⬆SELECT ENTER      CANCEL MENU
```

7 H SIZE
Adjusts the horizontal picture size. Press ⬆ to enlarge the horizontal size and press ⬇ to diminish it.

8 H SHIFT
Adjusts the horizontal centering. Press ⬆ to move the picture to the right and press ⬇ to move it to the left.

9 V SIZE
Adjusts the vertical picture size. Press ⬆ to enlarge the vertical size and press ⬇ to diminish it.

10 V SHIFT
Adjusts the vertical centering. Press ⬆ to move the picture up and press ⬇ to move it down.

11 ASPECT
Set the aspect ratio of the picture to 4:3 or 16:9.

12 RESET
Select to restore the factory settings in the PIC SIZE menu items 7 to 11.
For details on using the reset function, see "Restoring the Original Picture Size and Position" on page 24 (GB).

Note

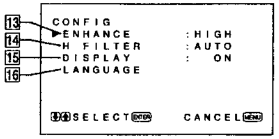
When receiving DTV signals and changing the H/V SIZE or H/V SHIFT in the PIC SIZE menu, the system goes into the Offset Sampling Mode; the image may become blurred or horizontal lines may appear because the memory write phase is faster than the read phase. This is not a system malfunction.
To avoid this problem, reset the H/V SIZE and the H/V SHIFT to the factory settings. If any problems persist with the factory setting, adjust the settings as shown below.
To adjust the setting, see "Restoring the original Picture Size and Position" (page 24 (GB)).

- DTV signals for factory setting:
  1080/60i, 480/60i, 575/50i, 480/60p
- Other DTV signals and their recommended settings:

	H SIZE	V SIZE	H SHIFT	V SHIFT	ASPECT
1080/50i	+ 48	+ 11	+ 10	– 02	16:9
1080/48i	MAX	+ 09	+ 12	– 02	16:9
1152/50i	+ 33	– 02	+ 20	0	16:9

CONFIG menu

This menu is used for adjusting the signal or selecting the language.



```
CONFIG
▶ENHANCE        : HIGH
 H  FILTER      : AUTO
 DISPLAY        :   ON
 LANGUAGE

⬇⬆SELECT ENTER      CANCEL MENU
```

13 ENHANCE (Sharpness)
You can change the outline correction level:
LOW: Default setting for VIDEO signal
HIGH: Default setting for computer signal

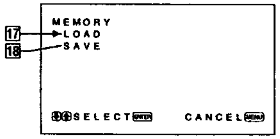
14 H FILTER
Select AUTO normally.
Select HIGH when the ringing appears on the screen.
Select LOW when the moiré pattern or noise appears on the screen. The moiré pattern or noise decreases even the screen looks a little blurred.

15 DISPLAY
Select ON to display the input signal information for about five seconds on the top of the monitor screen when turning on the power or switching the input signal.

16 LANGUAGE
Select the on-screen language among five languages. Available languages are: English, German, French, Italian and Spanish.
For details on selecting the language, see "Selecting the On-screen Language" on page 26 (GB).

MEMORY menu

This menu is used for saving or recalling the settings in the PIC CONTROL, PIC SIZE and CONFIG (only for ENHANCE and H FILTER) menus.



```
MEMORY
▶LOAD
 SAVE

SELECT                CANCEL
```

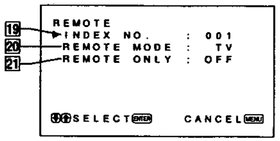
For details, see "Using the Memory" on page 25 (GB).

17 LOAD
Recalls the preset settings.

18 SAVE
Saves the settings.

REMOTE menu

This menu is used for the remote control setting.



```
REMOTE
▶INDEX NO.     :  001
 REMOTE MODE   :   TV
 REMOTE ONLY   :  OFF

SELECT                CANCEL
```

19 INDEX NO.
Sets the index number of the monitor.

Note

When you set the number, use the buttons on the monitor.

For details on the index number, see "Operating a Specific Monitor With the Remote Commander" on page 27 (GB).

20 REMOTE MODE
Select the Remote Commander mode.

TV: Sony monitors' or TVs' commander

PJ: Sony projectors' commander

OFF: Disables the remote control.

For details, see "Using the Other Remote Commander" on page 28 (GB).

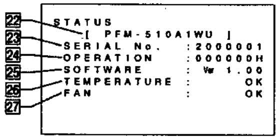
21 REMOTE ONLY
Select ON to disable the front control buttons on the monitor. The monitor can only be controlled with the Remote Commander. While REMOTE ONLY is ON, the indicators on the front panel go off.

To cancel the REMOTE ONLY mode, set REMOTE ONLY to OFF with the Remote Commander, or press the CTRL button while pressing the ⏻ switch. The monitor turns to the standby mode and the REMOTE ONLY mode is canceled.

The setting in this item is still retained when the AC power cord is disconnected.

STATUS menu

This menu is used for displaying the internal condition of the monitor.



```
STATUS
  [ PFM-510A1WU ]
 SERIAL No.     :2000001
 OPERATION      :000000H
 SOFTWARE       : Ver 1.00
 TEMPERATURE    :     OK
 FAN            :     OK
```

22 Model name
Indicates the model name.

23 SERIAL No.
Indicates the serial number.

24 OPERATION
Indicates the total operation hours.

Note

The standby mode is not counted as OPERATION time.

25 SOFTWARE
Indicates the system software version.

26 TEMPERATURE
Indicates whether the internal temperature of the monitor is usual.

OK: Usual

NG: Unusual

When the internal temperature is unusual, NG is displayed and the item flashes in red. The ⏻ indicator on the control panel also flashes.

Note

The "TEMPERATURE NG" message may appear when the ventilation holes are blocked or the monitor is installed in a poorly ventilated area. In this case, check that the ventilation holes are not blocked and install the monitor in a good ventilated area. If the message still displayed, contact your authorized Sony dealer.

When the ⏻ indicator flashes or NG indicates, see "Self-diagnosis Function" on page 26 (GB).

27 FAN
The cooling fans are built in this monitor. This item indicates whether the cooling fans work properly.

OK: Usual

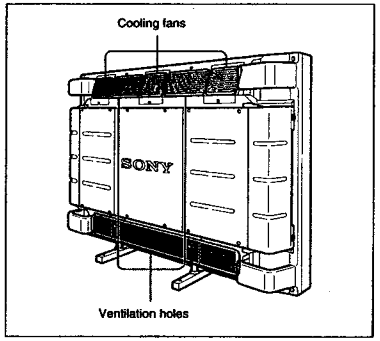
NG: Unusual

When the cooling fans are unusual, NG is displayed and the item flashes in red. The ⏻ indicator on the control panel also flashes.

Note

When the "FAN NG" message appears, contact your authorized Sony dealer.

When the ⏻ indicator flashes or NG indicates, see "Self-diagnosis Function" on page 26 (GB).



Note

The upper cooling fans detect the monitor's internal temperature and control the fans rotations. If the ambient temperature is high, the number of fan rotations increase and the noise will be louder.

Watching the Picture

Before you start

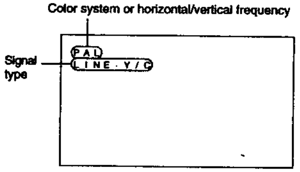
- Turn on the monitor.
- Turn on the connected equipment and play a video source.
- To display the input signal information on the screen when turning on the power or switching the input signal, set "DISPLAY" in the CONFIG menu to ON.
- To select the on-screen language used in the menu, see page 26 (GB).

Switching the Picture

1 Press CTRL on the control panel of the monitor. RGB1, YUV, RGB2, LINE, and Y/C buttons light up.

2 Select the input source to be displayed by pressing the following buttons.

RGB1:	Selects the audio and video signal input from the RGB1 connectors when the input signal is RGB signal.
YUV:	Selects the audio and video signal input from the RGB1 connectors when the input signal is component signal.
RGB2:	Selects the audio and video signal input from the RGB2 connectors.
LINE:	Selects the audio and video signal input from the VIDEO IN connector and AUDIO IN jack in the LINE connectors.
Y/C:	Selects the audio and video signal input from the Y/C IN connector and AUDIO IN jack in the LINE connectors.



The selected input signal appears on the monitor screen.

You can also switch the input signal from the Remote Commander.

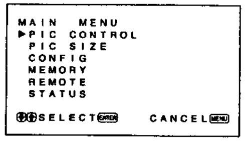
Note

We recommend the input source video equipment equipped with the TBC (time base corrector). If you receive the signal without the TBC, the picture may disappear due to disturbance of the sync signal.

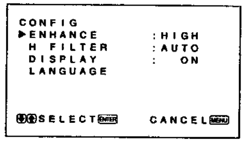
Input Signal and Monitor Status Information Display

Input signal and monitor status information is displayed on-screen for about five seconds when turning on the power or switching the input signal. To disable this function, follow the steps below.

1 Press MENU.
The main menu appears on the monitor screen.

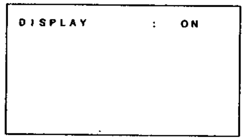


2 Press ↑/↓ to move the cursor (▶) to "CONFIG" and press ENT.
The CONFIG menu appears on the monitor screen.



▶ENHANCE : HIGH
H FILTER : AUTO
DISPLAY : ON

3 Press ↑/↓ to move the cursor (▶) to "DISPLAY" and press ENT.
The following menu appears on the monitor screen.



DISPLAY : ON

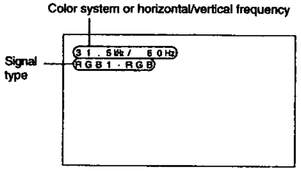
4 Press ↑ to set "DISPLAY" to OFF and press ENT.
The DISPLAY function is disabled.

To activate the information function, set "DISPLAY" to ON at the step **4** above.

Note

You can display the input signal information anytime by pressing the DISPLAY button on the Remote Commander, regardless of the above setting.

The input signal information list



Input signal	Color system or horizontal/vertical frequency display	
NTSC	NTSC	
PAL	PAL	
VGA[a] (Graphics)	31.5 kHz	60 Hz
VGA (Text)	31.5 kHz	70 Hz
HDTV	33.8 kHz	60 Hz
Mac[b] 13"	35.0 kHz	67 Hz
VESA[c] 800×600	37.9 kHz	60 Hz
VESA 1024×768	48.4 kHz	60 Hz
Mac 16"	49.7 kHz	75 Hz
ATI[d] 1280×1024	64.0 kHz	60 Hz
Mac 21"	68.7 kHz	75 Hz
VESA 1280×1024	80.0 kHz	75 Hz

a) VGA is a registered trademark of the International Business Machines Corporation, USA.
b) Mac (Macintosh) is a registered trademark of Apple Computer, Inc.
c) VESA is a registered trademark of Video Electronics Standard Association.
d) ATI is a registered trademark of ATI Technologies, Inc.

Note

When inputting the HDTV signal, input the tri-level sync signal to the G/Y IN connector.

Actual on-screen display of the monitor status

On-screen display	Significance
31.5kHz / 60Hz (eg.)	The selected input signal is computer RGB.
525 / 60 (eg.)	The selected input signal is RGB or component video.
NTSC	The selected input signal is NTSC.
PAL	The selected input signal is PAL.
OTHERS	The input signal is out of the capture range.
NO SYNC	There is no input signal.
MUTING	The sound is muted.
RGB1 RGB	The signal mode of RGB1 is set to RGB.
RGB1 YUV	The signal mode of RGB1 is set to component video.
LINE COMP	Composite video input is selected at LINE.
LINE Y/C	Y/C video input is selected at LINE.

Adjusting the Picture

While watching the picture, you can adjust contrast, brightness, chroma, and phase to suit your taste. The adjustments can be carried out for each input signal separately. You can also store the adjusted levels in memory.

Adjusting the Contrast, Brightness, Chroma, and Phase

Press MENU so that the main menu appears on the monitor screen and select the "CONTRAST", "BRIGHTNESS", "CHROMA", or "PHASE" from the PIC CONTROL menu with the ↑/↓ buttons.

CONTRAST

Select the "CONTRAST" with the ↑/↓ buttons and press the ENT button.
Adjust the contrast with the ↑/↓ buttons in the range from MIN (0) to MAX (+100).
↑: to increase picture contrast
↓: to decrease picture contrast

BRIGHTNESS

Select the "BRIGHTNESS" with the ↑/↓ buttons and press the ENT button.
Adjust the brightness with the ↑/↓ buttons in the range from MIN (–50) to MAX (+50).
↑: to make overall picture greenish
↓: to make overall picture purplish

CHROMA

Select the "CHROMA" with the ↑/↓ buttons and press the ENT button.
Adjust the chroma with the ↑/↓ buttons in the range from MIN (–50) to MAX (+50).
↑: to increase color intensity
↓: to decrease color intensity

PHASE

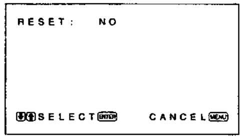
Select the "PHASE" with the ↑/↓ buttons and press the ENT button.
Adjust the phase with the ↑/↓ buttons in the range from MIN (–50) to MAX (+50).
↑: to make overall picture greenish
↓: to make overall picture purplish

Notes

- CHROMA and PHASE controls do not function with RGB signal.
- PHASE control does not function with component signal.
- PHASE control does not function with PAL color source.
- Do not change the CHROMA/PHASE (NTSC only) level when the selected signal is not NTSC or PAL. Although it gives no effect to the current picture, it does affect the picture of the NTSC or PAL signal which is input later.

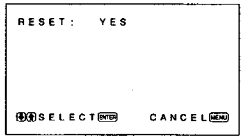
Restoring the PIC CONTROL Menu Items to Original Settings

1 In the PIC CONTROL menu, Press ↑/↓ to move the cursor (▶) to "RESET" and press ENT.
The following menu appears on the monitor screen.



```
RESET:  NO



↓↑SELECT ENTER      CANCEL MENU
```

2 Press ↑/↓.
"NO" changes to "YES".



```
RESET:  YES



↓↑SELECT ENTER      CANCEL MENU
```

3 Press ENT.
The PIC CONTROL menu items are restored.

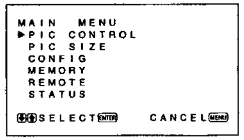
To cancel the reset function, press the MENU button before pressing the ENT button.

Resizing and Positioning the Picture

You can shift the position of the picture so that it fits in the screen, or adjust the vertical and horizontal size of the picture separately.

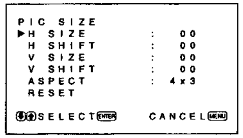
Resizing the Picture

1 Press MENU.
The main menu appears on the monitor screen.



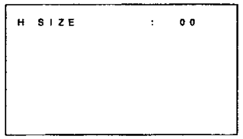
```
MAIN   MENU
▶PIC CONTROL
 PIC SIZE
 CONFIG
 MEMORY
 REMOTE
 STATUS

↓↑SELECT ENTER      CANCEL MENU
```

2 Press ↑/↓ to move the cursor (▶) to "PIC SIZE" and press ENT.
The PIC SIZE menu appears on the monitor screen.



```
PIC SIZE
▶H SIZE        :  00
 H SHIFT       :  00
 V SIZE        :  00
 V SHIFT       :  00
 ASPECT        : 4x3
 RESET
↓↑SELECT ENTER      CANCEL MENU
```

3 Press ↑/↓ to move the cursor (▶) to "H SIZE" and press ENT.
The following menu appears on the monitor screen.

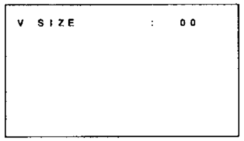


```
H SIZE         :  00
```

4 Press ↑/↓ to resize the picture.
↑: to expand horizontal size
↓: to reduce horizontal size
The horizontal picture size is indicated on the monitor screen in the range from MIN(–50) to MAX(+50). The factory value is 00.

5 Press ENT.
The menu returns to the PIC SIZE menu.

6 Press ↑/↓ to move the cursor (▶) to "V SIZE" and press ENT.
The following menu appears on the monitor screen.



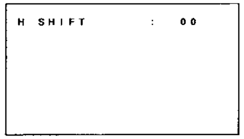
```
V SIZE         :  00
```

7 Press ↑/↓ to resize the picture.
↑: to expand vertical size
↓: to reduce vertical size
The vertical picture size is indicated on the monitor screen from MIN(–50) to MAX(+50).
The factory value is 00.

8 Press ENT.
The menu returns to the PIC SIZE menu.

Adjusting the Picture Position

1 In the PIC SIZE menu, press ↑/↓ to move the cursor (▶) to "H SHIFT" and press ENT.
The following menu appears on the monitor screen.

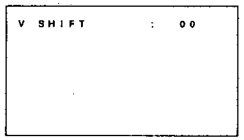


```
H SHIFT        :  00
```

2 Press ↑/↓ to shift the picture.
↑: to shift the picture to the right
↓: to shift the picture to the left
The horizontal picture position is indicated on the monitor screen from MIN(–50) to MAX(+50).
The factory value is 00.

3 Press ENT.
The menu returns to the PIC SIZE menu.

4 Press ⬆/⬇ to move the cursor (▶) to “V SHIFT” and press ENT.
The following menu appears on the monitor screen.



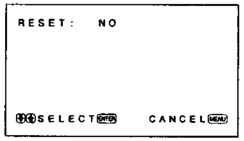
```
V SHIFT      :  00
```

5 Press ⬆/⬇ to shift the picture.
⬆: to shift the picture upward
⬇: to shift the picture downward
The vertical picture position is indicated on the monitor screen from MIN(–50) to MAX(+50).
The factory value is 00.

6 Press ENT.
The menu returns to the PIC SIZE menu.

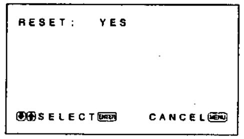
Restoring the Original Picture Size and Position

1 In the PIC SIZE menu, press ⬆/⬇ to move the cursor (▶) to “RESET” and press ENT.
The following menu appears on the monitor screen.



```
RESET:  NO



⬇⬆SELECT ENTER     CANCEL MENU
```

2 Press ⬆/⬇.
“NO” changes to “YES”.



```
RESET:  YES



⬇⬆SELECT ENTER     CANCEL MENU
```

3 Press ENT.
The original picture size and position are restored.

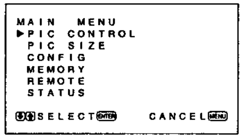
To cancel the reset function, press the MENU button before pressing the ENT button.

Using the Memory

You can save the current picture condition by each input signal using MEMORY function.
The saved condition can be restored whenever necessary.
The items in PIC CONTROL, PIC SIZE and CONFIG (only for ENHANCE and H FILTER) menus can be memorized.
You can save the picture condition of up to five input signals.

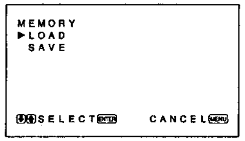
Storing the Current Condition

1 Press MENU.
The main menu appears on the monitor screen.



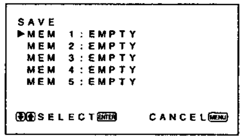
```
MAIN   MENU
▶PIC CONTROL
 PIC SIZE
 CONFIG
 MEMORY
 REMOTE
 STATUS

⬇⬆SELECT ENTER     CANCEL MENU
```

2 Press ⬆/⬇ to move the cursor (▶) to “MEMORY” and press ENT.
The MEMORY menu appears on the monitor screen.



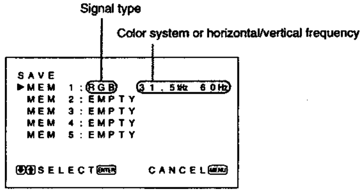
```
MEMORY
▶LOAD
 SAVE



⬇⬆SELECT ENTER     CANCEL MENU
```

3 Press ⬆/⬇ to move the cursor (▶) to “SAVE” and press ENT.
The following menu appears on the monitor screen.



```
SAVE
▶MEM  1:EMPTY
 MEM  2:EMPTY
 MEM  3:EMPTY
 MEM  4:EMPTY
 MEM  5:EMPTY

⬇⬆SELECT ENTER     CANCEL MENU
```

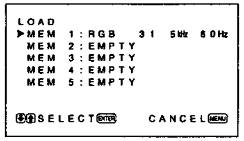
4 Press ⬆/⬇ to move the cursor (▶) to MEM 1 to 5 and press ENT.
“COMPLETED” message appears for about five seconds.
The current data is stored under the selected memory number.
If any data has been stored in the selected memory number, the signal type and the color system or horizontal frequency/vertical frequency are now displayed on the right column next to the selected memory number.



```
SAVE
▶MEM  1:RGB     31.5kHz  60Hz
 MEM  2:EMPTY
 MEM  3:EMPTY
 MEM  4:EMPTY
 MEM  5:EMPTY

⬇⬆SELECT ENTER     CANCEL MENU
```

Calling Up the Stored Condition

1 In the MEMORY menu, press ⬆/⬇ to move the cursor (▶) to “LOAD” and press ENT.
The following menu appears on the monitor screen.



```
LOAD
▶MEM  1:RGB     31  5kHz  60Hz
 MEM  2:EMPTY
 MEM  3:EMPTY
 MEM  4:EMPTY
 MEM  5:EMPTY

⬇⬆SELECT ENTER     CANCEL MENU
```

2 Press ⬆/⬇ to move the cursor (▶) to MEM 1 to 5 and press ENT.
“COMPLETED” message appears for about five seconds.
The picture is adjusted to the selected condition.

Notes

- You cannot recall the memory data if the selected signal is different from the preset signal.
- The following items can be memorized:

PIC CONTROL menu
- CONTRAST
- BRIGHTNESS
- CHROMA
- PHASE
- COLOR TEMP
- PICTURE AGC

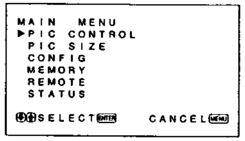
PIC SIZE menu
- H SIZE
- H SHIFT
- V SIZE
- V SHIFT
- ASPECT

CONFIG menu
- ENHANCE
- H FILTER

Selecting the On-screen Language

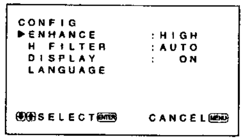
You can select the on-screen language among five languages.
Available languages are: English, German, French, Italian and Spanish.

1 Press MENU.
The main menu appears on the monitor screen.



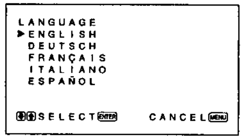
```
MAIN  MENU
▶PIC CONTROL
 PIC SIZE
 CONFIG
 MEMORY
 REMOTE
 STATUS

⇩⇧SELECT ENTER    CANCEL MENU
```

2 Press ⬆/⬇ to move the cursor (▶) to "CONFIG" and press ENT.
The CONFIG menu appears on the monitor screen.



```
CONFIG
▶ENHANCE      :HIGH
 H FILTER     :AUTO
 DISPLAY      :  ON
 LANGUAGE

⇩⇧SELECT ENTER    CANCEL MENU
```

3 Press ⬆/⬇ to move the cursor (▶) to "LANGUAGE" and press ENT.
The following menu appears on the monitor screen.



```
LANGUAGE
▶ENGLISH
 DEUTSCH
 FRANÇAIS
 ITALIANO
 ESPAÑOL

⇩⇧SELECT ENTER    CANCEL MENU
```

4 Press ⬆/⬇ to move the cursor (▶) to desired language and press ENT.
The on-screen language is switched to the one you selected.
ENGLISH: English
DEUTSCH: German
FRANÇAIS: French
ITALIANO: Italian
ESPAÑOL: Spanish

5 Press MENU.
The menu returns to the CONFIG menu.

Self-diagnosis Function

The unit has a self-diagnosis function.
This function displays the monitor's condition with the ⏻ indicator flashing and numbers on the SERVICE CODE indicator. The numbers inform you of the monitor's current condition.
When the unit is working properly, only the dot at the lower-right position on the SERVICE CODE indicator flashes.
If the ⏻ indicator flashes, check the number and contact your authorized Sony dealer.

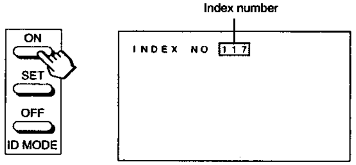
1 Check the two-digit number on the SERVICE CODE indicator.
The indicator shows one number, or multiple numbers alternately every a half second.

2 Unplug the unit.
Inform the number to your authorized Sony dealer.

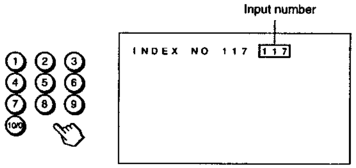
Operating a Specific Monitor with the Remote Commander

Using the supplied Remote Commander, you can operate a specific monitor without affecting other monitors that are installed together.

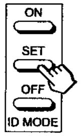
1 Press ID MODE ON on the Remote Commander.
Monitor index numbers appear in white characters on all the monitors. (Every monitor is allocated an individual preset index number from 1 to 255.)
See "To change the index number" in the column to the right on this page to change the index number.



2 Input the index number of the monitor you want to operate using 0 – 9 buttons on the Remote Commander.
The input number appears right next to each monitor's own index number.

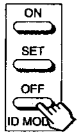


3 Press ID MODE SET.
The character on the selected monitor changes to cyan while others change to red.



You can operate only a specified monitor. (All operations are available in ID mode except POWER ON/OFF.)

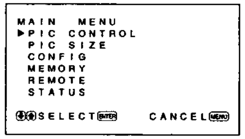
4 After necessary adjustment, press ID MODE OFF.
The monitor returns to the normal mode.



To change the index number

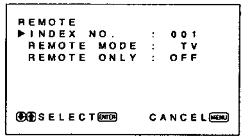
You can change the index number if necessary.
When you change the number, use the buttons on the monitor.

1 Press MENU.
The main menu appears on the monitor screen.



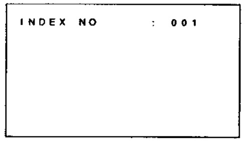
```
MAIN  MENU
▶PIC CONTROL
 PIC SIZE
 CONFIG
 MEMORY
 REMOTE
 STATUS

⇩⇧SELECT ENTER    CANCEL MENU
```

2 Press ⬆/⬇ to move the cursor (▶) to "REMOTE" and press ENT.
The REMOTE menu appears on the monitor screen.



```
REMOTE
▶INDEX NO.    :  001
 REMOTE MODE  :   TV
 REMOTE ONLY  :  OFF

⇩⇧SELECT ENTER    CANCEL MENU
```

3 Press ⬆/⬇ to move the cursor (▶) to "INDEX NO." and press ENT.
The following menu appears on the monitor screen.



```
INDEX NO      :  001
```

4 Select the index number with ⬆/⬇ and press ENT.
The menu returns to the REMOTE menu.

Using the Other Remote Commander

The following operations can be controlled.

- Power on/off
- Input selection
- Menu operations
- Picture adjustments: contrast, phase and chroma
- On-screen display on/off (only for video monitors and TVs)

The available operations and the buttons to be used for each operation are limited depending on each Remote Commander. See the table below.

Remote Commander model		**RM-854**	**RM-1271**	**RM-PJ1292**	**RM-PJ1000**
REMOTE MODE setting		**TV**	**PJ**	**PJ**	**PJ**
Input selection	RGB1	RGB	A	A	A
	RGB2	—	B	B	B
	LINE	LINE1	VIDEO	VIDEO	VIDEO
Menu operation	MENU	MENU	PAGE or ⬅	PAGE or ⬅	MENU or ⬅
	ENTER	ENTER	➡	➡	ENTER or ➡
	+	+	⬆	⬆	⬆
	–	–	⬇	⬇	⬇
Picture adjustment	Contrast	CONTRAST+/–	CONTR+/–	CONTR+/–	CONTR+/–
	Chroma	CHROMA+/–	COLOR+/–	COLOR+/–	COLOR+/–
	Phase	PHASE+/–	HUE+/–	HUE+/–	HUE+/–
On-screen information		DISPLAY	—	STATUS ON	STATUS ON

Specifications

Video processing

Capture range	Horizontal rate: 15.6 to 80 kHz Vertical rate: 48 to 120 Hz
Preset signal	Input: 12 formats (See page 21 (GB))
Video memory	1,152 × 1,152 × 24 bits (RGB total)
Sampling rate	14.3 to 50 MHz offset phase max. (equivalent to 100 MHz sampling)
Panel system	AC-type Plasma Display Panel
Display resolution	1024 dots × 1024 lines
Pixel pitch	0.90 (horizontal) × 0.51 (vertical) mm (1/16 × 1/32 inches)
Picture size	921 (horizontal) × 522 (vertical) mm (36 3/8 × 20 5/8 inches)
Panel size	42-inch (diagonal 1,058 mm)

Inputs and Outputs

RGB1

R (R-Y)/ G (Y)/B (B-Y) IN	BNC-type (×3) 0.714 Vp-p/non-composite 75-ohm (automatic termination) 1 Vp-p/composite 75-ohm (automatic termination)
SYNC IN(HD/COMP, VD)	BNC-type (×2) H (or composite) SYNC, V SYNC, 1 to 5 Vp-p high impedance
AUDIO IN (L, R)	Phono jack (×2) 500 mVrms, high impedance
R (R-Y)/ G (Y)/B (B-Y) OUT	BNC-type (×3) Loop-through
SYNC OUT (HD/COMP, VD)	BNC-type (×2) Loop-through H (or composite) SYNC, V SYNC
AUDIO OUT (L, R)	Phono jack (×2) Loop-through

RGB2

RGB IN	D-sub 15-pin See "Pin assignment" on page 30 (GB).
AUDIO IN (L, R)	Phono jack (×2) 500 mVrms, high impedance

LINE (NTSC, PAL)

VIDEO IN	BNC-type (×1) Composite video, 1 Vp-p ±2 dB sync negative, 75-ohm (automatic termination)
Y/C IN	Mini DIN 4-pin type (×1) Y (luminance): 1 Vp-p ±2 dB sync negative, 75-ohm (automatic termination) C (chrominance): Burst 0.286 Vp-p ±2 dB (NTSC), 75-ohm (automatic termination) Burst 0.3 Vp-p ±2 dB (PAL) 75-ohm (automatic termination)
AUDIO IN (L, R)	Phono jack (×2) 500 mVrms, high impedance
VIDEO OUT	BNC-type (×1) Loop-through
Y/C OUT	Mini DIN 4-pin type (×1) Loop-through
AUDIO OUT (L, R)	(Variable output) Phono jack (×2) Loop-through
MONITOR OUT AUDIO (L, R)	Phono jack (×2) Maximum 500 mVrms, high impedance
CONTROL S (IN, OUT)	Mini jack (stereo) (×2) 5 Vp-p
REMOTE (RS-232C)	Mini DIN 8-pin (×1)
SPEAKERS	6 to 16 ohms, 7 W + 7 W (when the impedance is 8 ohms)

General

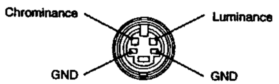
Power requirements	100 to 120 V AC, 50/60 Hz, 4.7 A/410 W 220 to 240 V AC, 50/60 Hz, 2.2 A/400 W
Operating conditions	Temperature: 0°C to 35°C (32°F to 95°F) Humidity: 20% to 90% (no condensation) Atmospheric pressure: 700 to 1060 hPa

Storing/transporting conditions	Temperature: −10°C to +40°C (14°F to 104°F) Humidity: 20% to 90% (no condensation) Atmospheric pressure: 700 to 1060 hPa
Dimensions	1036 × 636 × 152 mm (40 ⅞ × 25 ⅛ × 6 ⅛ inches) (w/h/d)
Mass	45 kg (99 lb 3 oz)
Supplied accessories	AC power cord (1) AC plug holder (1) Remote Commander RM-921 (1) Size AA (R6) batteries (2) Ferrite core (2) Foot support bracket (2) Screws for foot support bracket (6) Monitor stabilizer (2) Operating instructions (1)

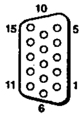
Design and specifications are subject to change without notice.

Pin assignment

Y/C jack (Mini DIN 4-pin)



RGB IN connector (D-sub 15-pin)



Pin No.	Signal
1	Red video or R-Y
2	Green video or Y
3	Blue video or B-Y
4	Ground
5	Ground
6	Red ground
7	Green ground
8	Blue ground
9	Not used
10	Ground
11	Ground
12	SDA
13	H sync or composite sync
14	V sync
15	SCL

SONY

3-864-657-03(1)

Mounting Bracket

Operating Instructions
Mode d'emploi
Bedienungsanleitung
Manual de instrucciones
Istruzioni per l'uso
取扱説明書

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⚠警告 安全のための注意事項を守らないと、火災や人身事故になることがあります。

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MB-514

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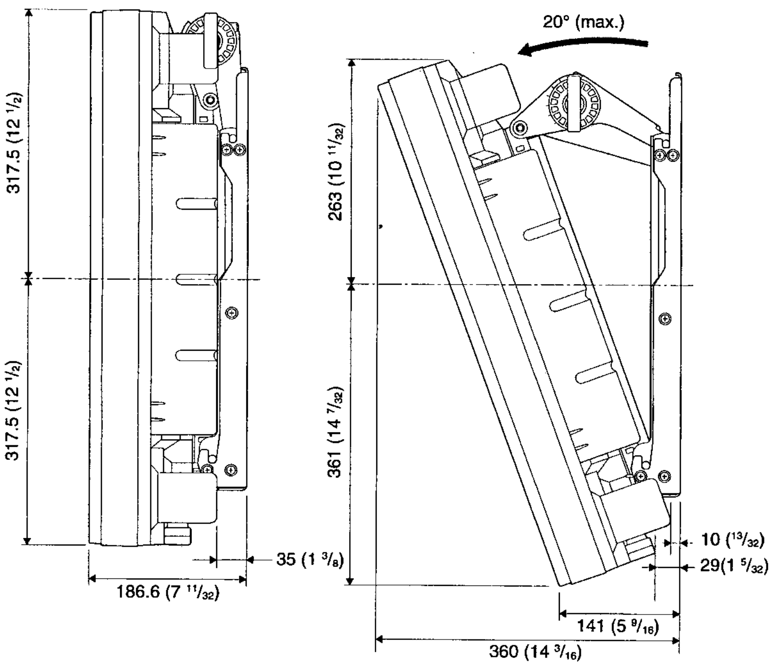
Dimensions of the assembled bracket

Side view

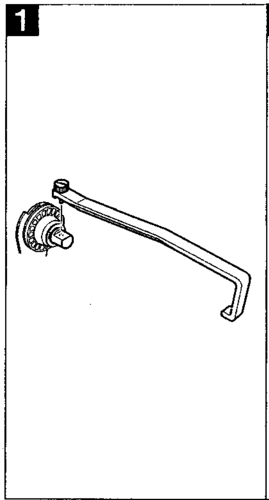

20° (max.)
317.5 (12 $^{1}/_{2}$)
317.5 (12 $^{1}/_{2}$)
263 (10 $^{11}/_{32}$)
361 (14 $^{7}/_{32}$)
35 (1 $^{3}/_{8}$)
186.6 (7 $^{11}/_{32}$)
10 ($^{13}/_{32}$)
29(1 $^{5}/_{32}$)
141 (5 $^{9}/_{16}$)
360 (14 $^{3}/_{16}$)

Units : mm (inches)

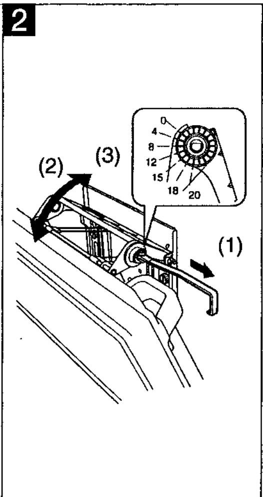
Design and specifications are subject to change without notice.

Changing the Angle of the Monitor

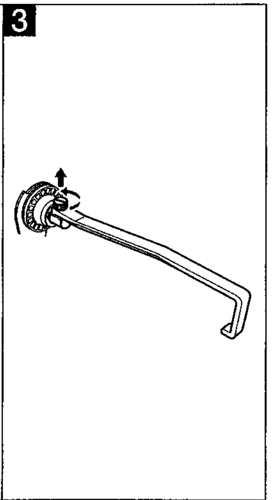
1



2


(2)
(3)
(1)
0
4
8
12
15
18
20

3



English

You can change the angle of the monitor panel by adjusting the angle of the mounting bracket.

Note

If you have any questions about installing the mounting bracket, contact your authorized Sony dealer.

1 Attach the handle on the mounting bracket with the supplied screw (provided with the handle).

2 Adjust the monitor panel angle.
You can change the angle from 0° to 20° (7 levels).
(Approx. 0°, 4°, 8°, 12°, 15°, 18° and 20°)
(1) Pull the handle down to unsnap the lock.
(2) Push the panel to the desired angle.
(3) Let go of the handle and adjust the panel angle so it can be locked.

See the angle marks.

3 Remove the handle.

Store the handle with the Operating Instructions.

1-3. MB-514 Installation Manual

SONY

3-864-658-04(1)

Mounting Bracket

Installation Manual for Dealers

特約店様用設置説明書

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MB-514

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WARNING

Install the monitor on a wall that can hold a weight of at least 400kg (881lb14 oz). Reinforce the wall, if needed.

Table of contents

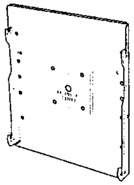
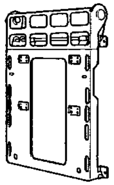
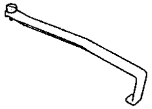
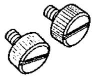
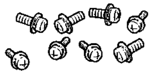
English

Overview 5
Parts List 5
Installation 6
Specifications 12

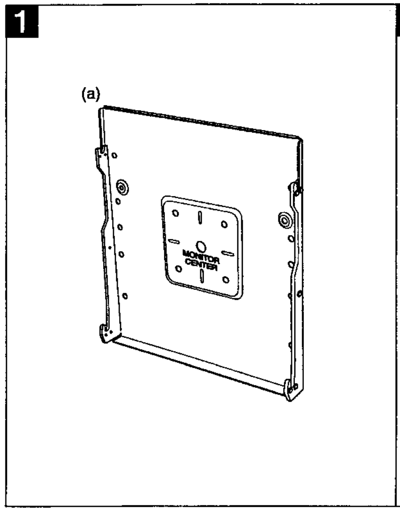
Overview

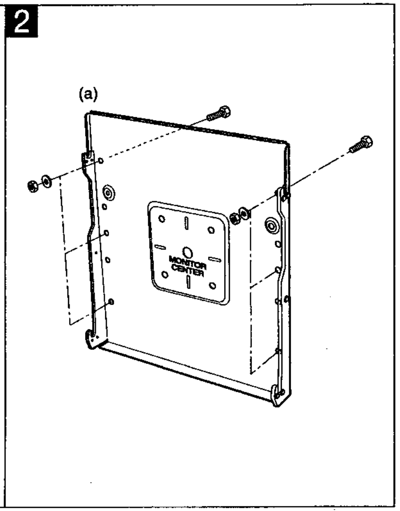
The mounting bracket MB-514 is designed to install the Sony flat panel monitor on a wall.

Parts List

(a)	**Wall bracket (1)**	
(b)	**Mounting bracket (1)**	
(c)	**Handle (1)**	
(d)	**Knob (2)**	
(e)	**Screw M5 (8)**	

Installation

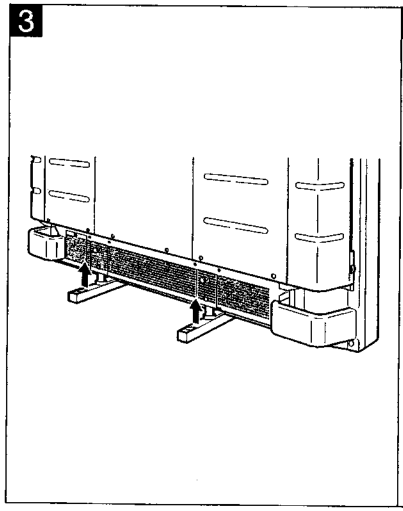


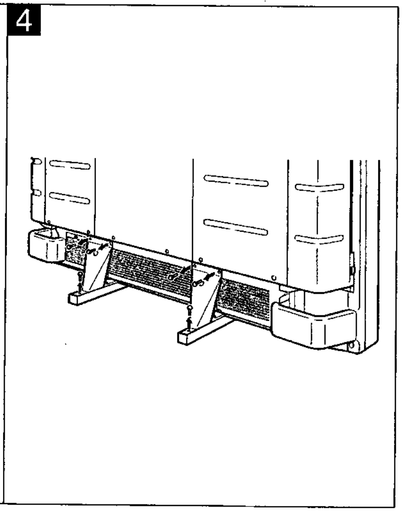


English

1 Decide where on the wall you want to install the wall bracket (a).
The center hole of the wall bracket will be matched the center of the monitor panel.

2 Install the wall bracket (a) on the wall.
Use six M8 bolts or concrete anchors, six nuts and six washers (not supplied).

3


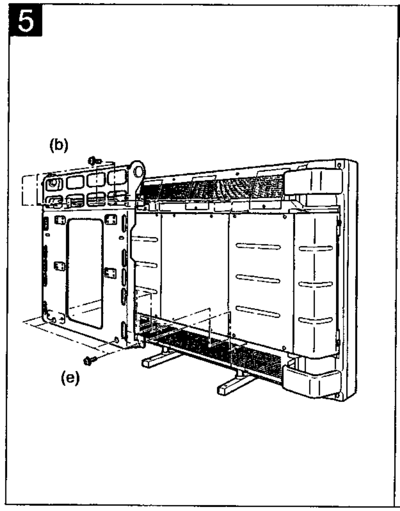
4


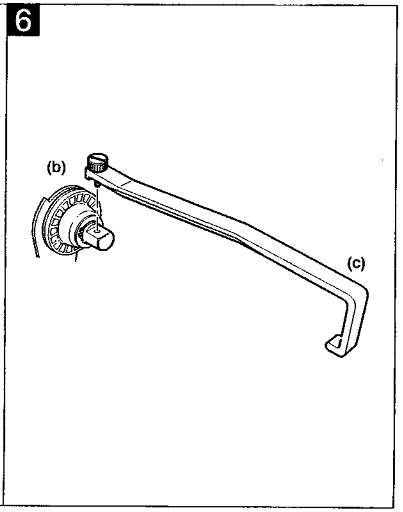
English

3 Pull down the retractable feet and stand the monitor up.
For details on using the retractable feet, see the Operating Instructions for the Sony flat panel monitor.

If the retractable feet and the foot support brackets are already installed on the monitor, go to Step 4. Otherwise, go to Step 5.

4 Remove the foot support brackets from the retractable feet.
For details on removing the foot support brackets, see the Operating Instructions for the Sony flat panel monitor.

5


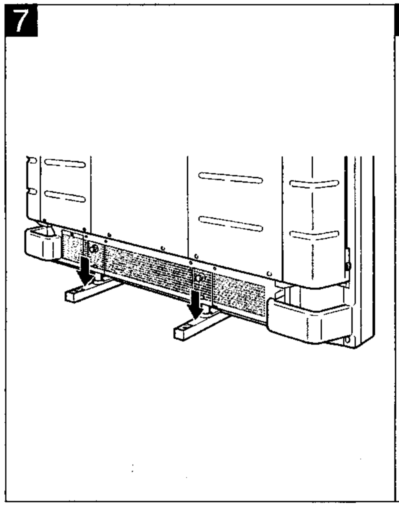
6


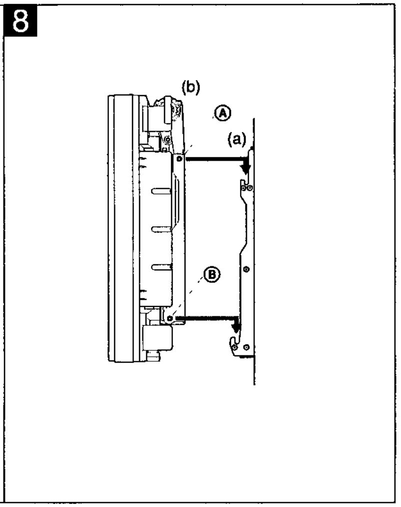
English

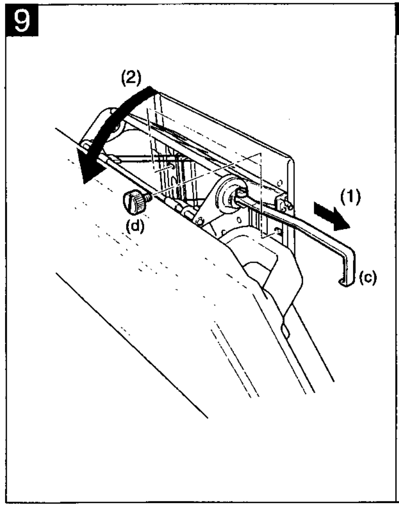
5 Install the mounting bracket (b) on the flat monitor. Match the mounting bracket screw holes to the monitor screw holes, then insert and tighten eight M5 screws (e) to lock the bracket onto the monitor.

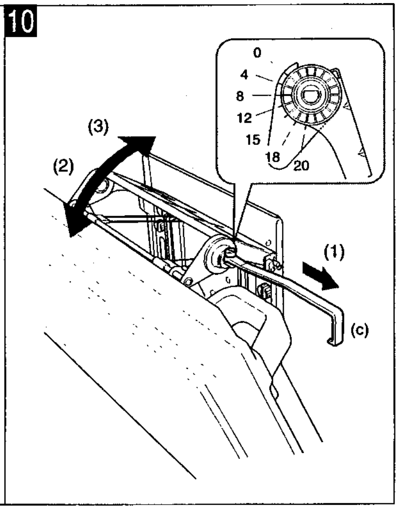
6 Attach the handle (c) on the mounting bracket (b) with the supplied screw (provided with the handle).

Installation









English

7 Store the retractable feet.
For details on using the retractable feet, see the Operating Instructions for the Sony flat panel monitor.

8 Install the flat monitor with the mounting bracket (b) on the wall bracket (a).
Hook two mounting bracket shafts Ⓐ, Ⓑ on the wall bracket grooves.

Note

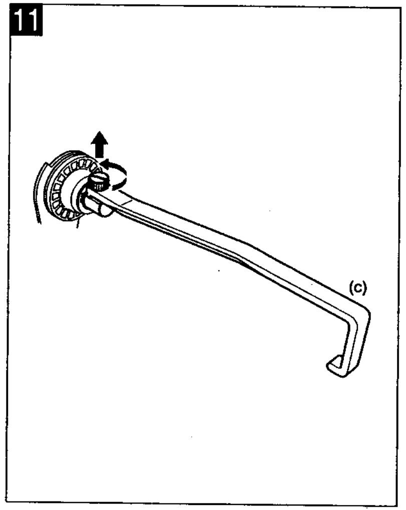
Make sure that the shafts hook properly into the grooves.

English

9 Lock the mounting bracket shafts (hooked in Step 8) by turning two knobs (d) so that the shafts do not move vertically.
Pull the handle (c) out (installed in Step 6) and unsnap the lock. Pull down the monitor panel so the mounting bracket angle is fully extended. Turn two knobs (d) and lock the monitor panel.

10 Adjust the monitor panel angle.
You can change the angle from 0° to 20° (7 levels). (Approx. 0°, 4°, 8°, 12°, 15°, 18° and 20°)
(1) Pull the handle (c) down to unsnap the lock.
(2) Push the panel to the desired angle.
(3) Let go of the handle and adjust the panel angle so it can be locked.

See the angle marks.



English

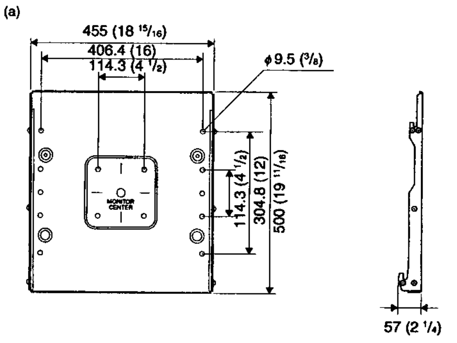
11 Loosen the screw and remove the handle.

Store the handle with the Operating Instructions.

Specifications

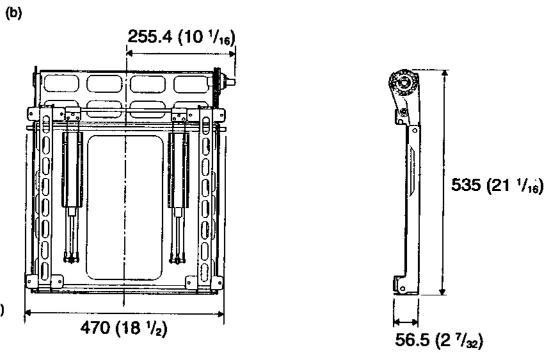
Dimensions

Wall bracket


(a)
455 (18 15/16)
406.4 (16)
114.3 (4 1/2)
φ9.5 (3/8)
114.3 (4 1/2)
304.8 (12)
500 (19 11/16)
MONITOR CENTER
57 (2 1/4)

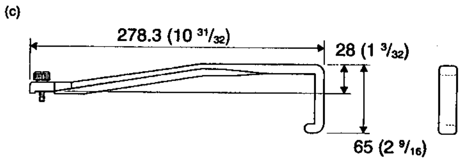
Mass Approx. 5.2kg (11lb7oz)

Mounting bracket


(b)
255.4 (10 1/16)
535 (21 1/16)
470 (18 1/2)
56.5 (2 7/32)

Mass Approx. 5.8kg (12lb13oz)

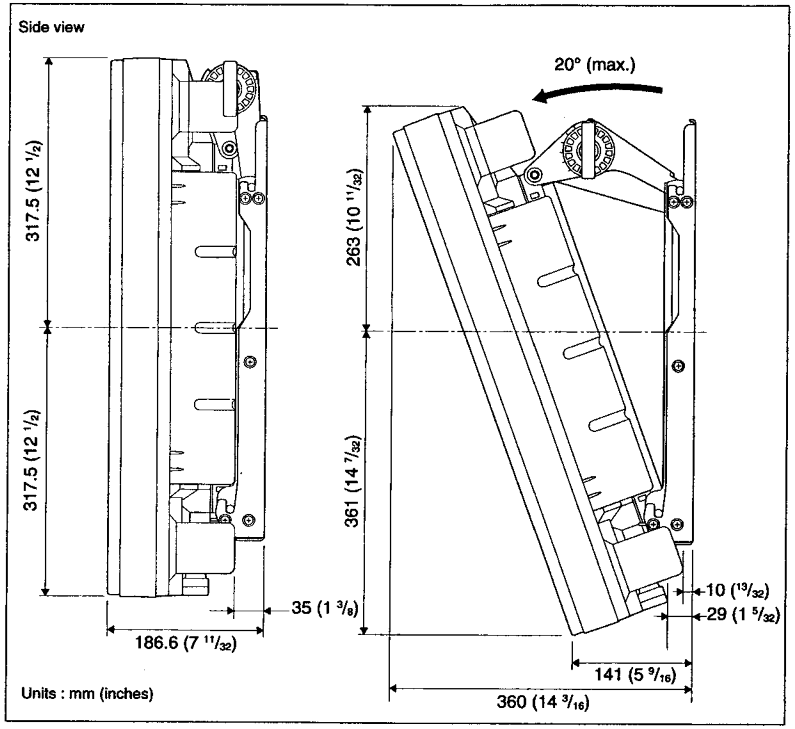
Handle


(c)
278.3 (10 31/32)
28 (1 3/32)
65 (2 9/16)

Mass Approx. 130g (60oz)

Units : mm (inches)

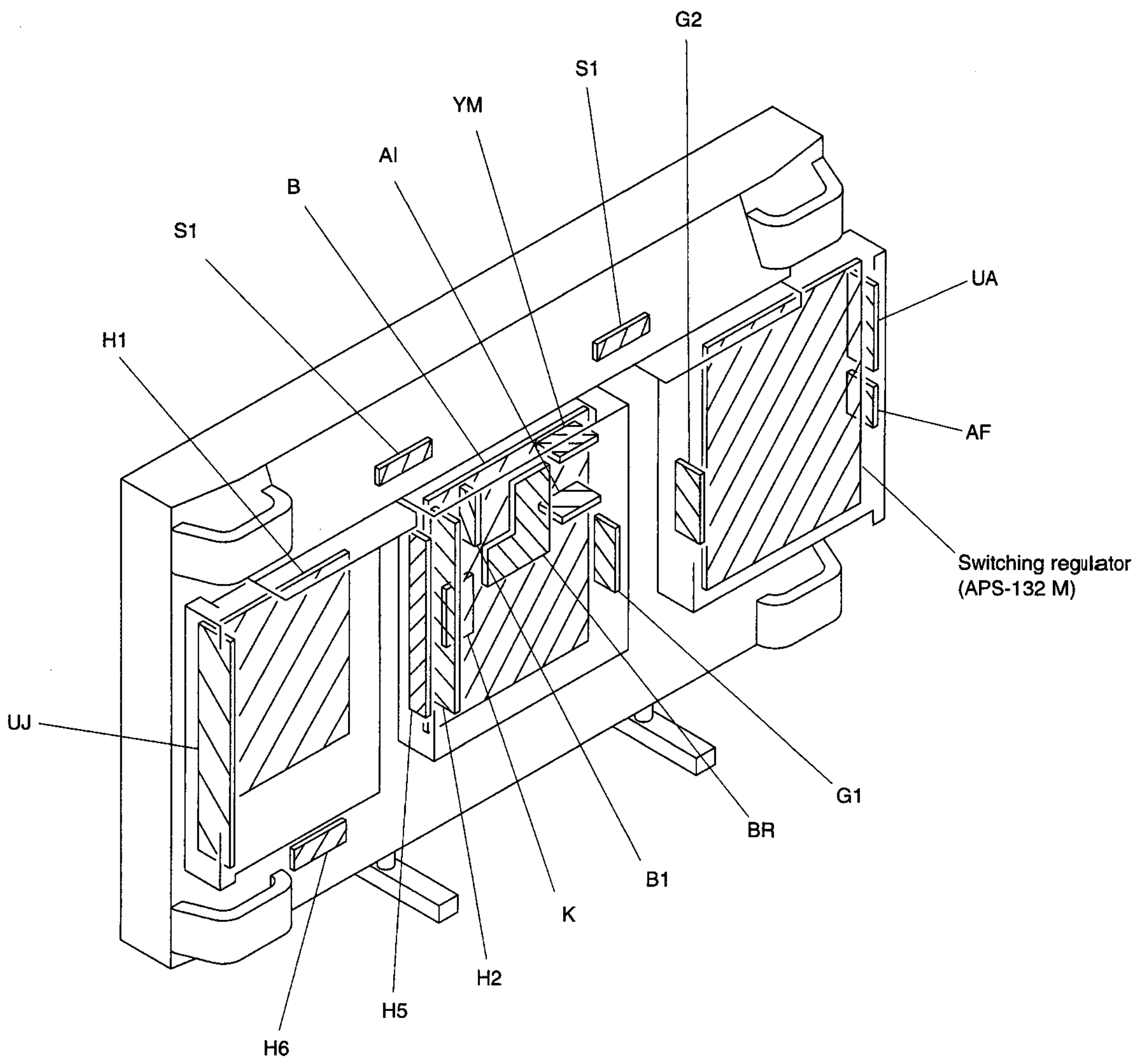
Dimensions of the assembled bracket


Side view
20° (max.)
317.5 (12 1/2)
317.5 (12 1/2)
263 (10 11/32)
361 (14 7/32)
35 (1 3/8)
186.6 (7 11/32)
10 (13/32)
29 (1 5/32)
141 (5 9/16)
360 (14 3/16)
Units : mm (inches)

Design and specifications are subject to change without notice.

Section 2
Service Informations

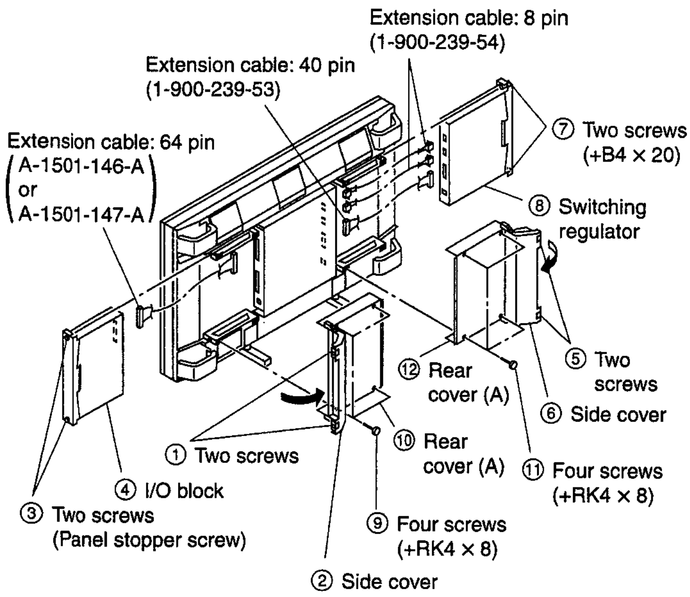
2-1. Circuit Boards Location


G2
S1
YM
AI
B
S1
H1
UA
AF
Switching regulator
(APS-132 M)
UJ
G1
BR
B1
K
H2
H5
H6

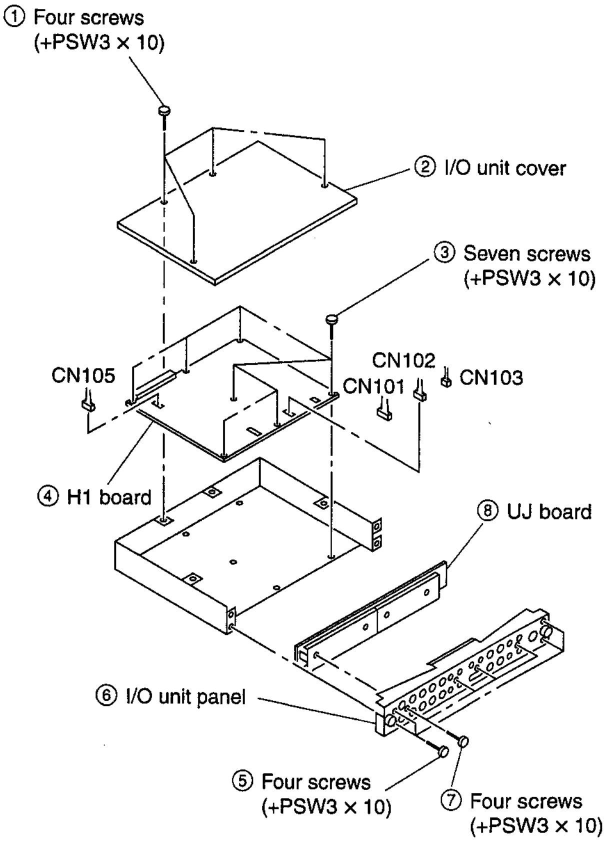
2-2. Disassembly

NOTE: When removing the switching regulator from the main unit, start performing more than 30 seconds after the main power is turned off.

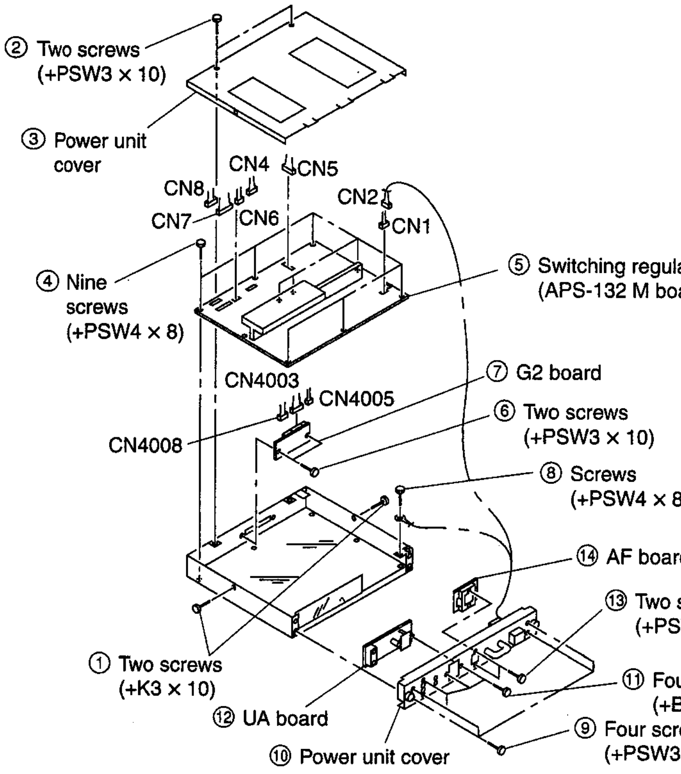
2-2-1. I/O and Switching Regulator Removal and Extension Cable Connection


Extension cable: 8 pin
(1-900-239-54)
Extension cable: 40 pin
(1-900-239-53)
Extension cable: 64 pin
A-1501-146-A
or
A-1501-147-A
⑦ Two screws
(+B4 x 20)
⑧ Switching
regulator
⑤ Two
screws
⑫ Rear
cover (A)
⑥ Side cover
⑩ Rear
cover (A)
① Two screws
⑪ Four screws
(+RK4 x 8)
④ I/O block
③ Two screws
(Panel stopper screw)
⑨ Four screws
(+RK4 x 8)
② Side cover

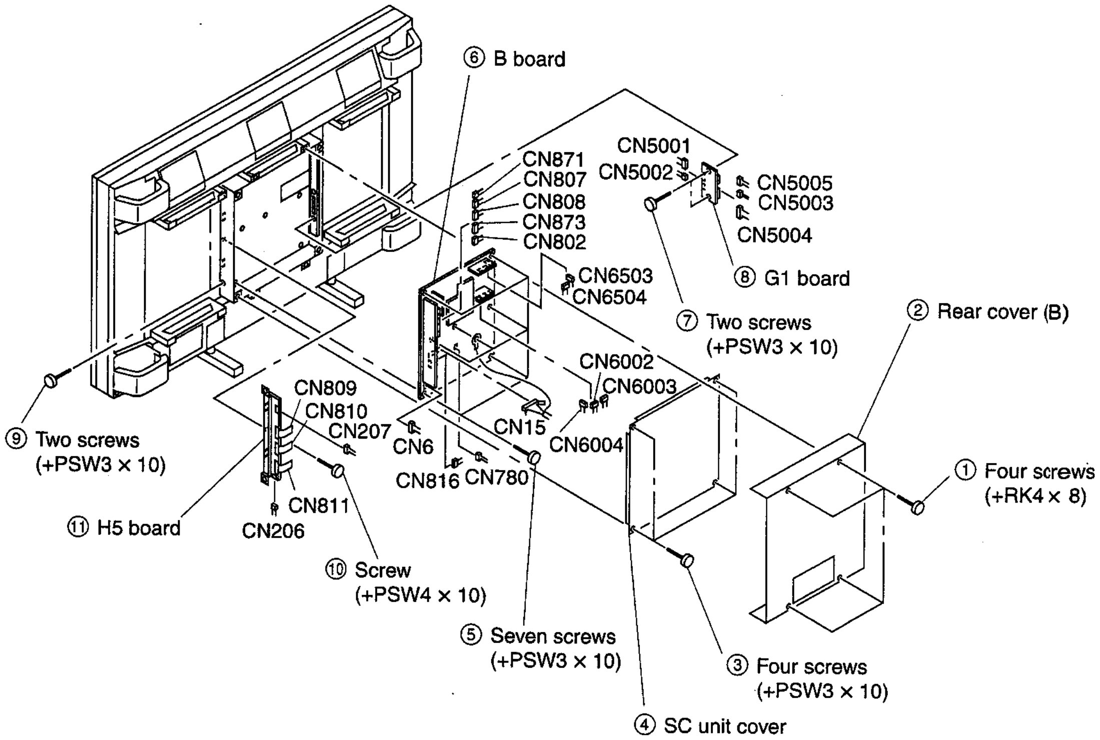
2-2-2. H1 and UJ Boards Removal


① Four screws
(+PSW3 x 10)
② I/O unit cover
③ Seven screws
(+PSW3 x 10)
CN102
CN105
CN101
CN103
④ H1 board
⑧ UJ board
⑥ I/O unit panel
⑤ Four screws
(+PSW3 x 10)
⑦ Four screws
(+PSW3 x 10)

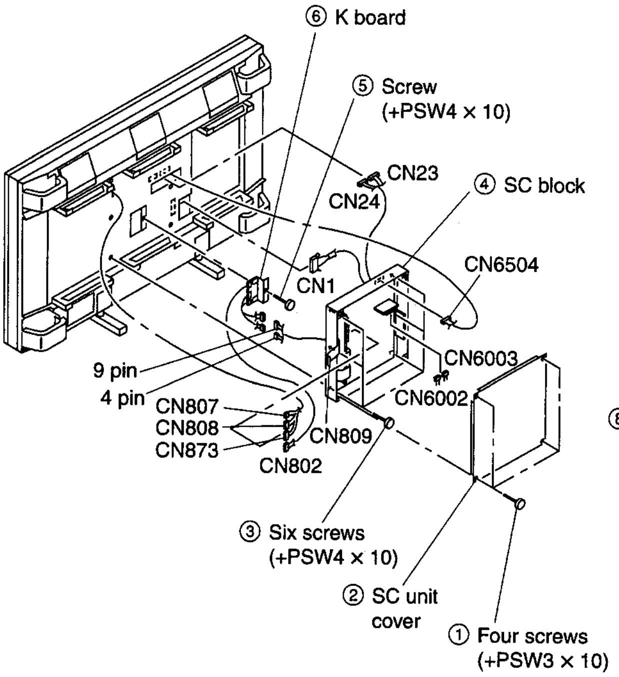
2-2-3. AF, G2, UA Boards and Switching Regulator (APS-132 M Board) Removal


② Two screws
(+PSW3 x 10)
③ Power unit
cover
CN4
CN5
CN8
CN2
CN7
CN6
CN1
④ Nine
screws
(+PSW4 x 8)
⑤ Switching regulator
(APS-132 M board)
⑦ G2 board
CN4003
CN4005
⑥ Two screws
(+PSW3 x 10)
CN4008
⑧ Screws
(+PSW4 x 8)
⑭ AF board
⑬ Two screws
(+PSW3 x 10)
① Two screws
(+K3 x 10)
⑪ Four screws
(+BVTP3 x 12)
⑫ UA board
⑨ Four screws
(+PSW3 x 10)
⑩ Power unit cover

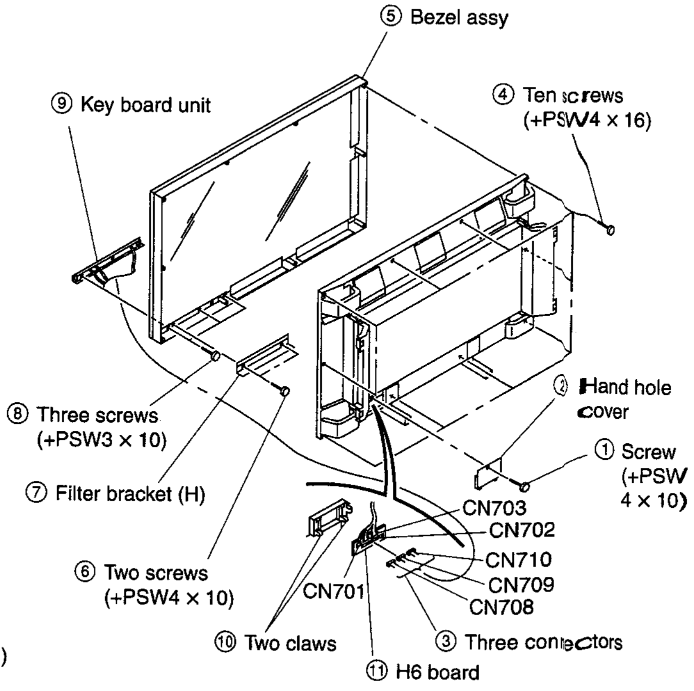
2-2-4. G1, H5 and B Boards Removal


⑥ B board
CN5001
CN5002
CN5005
CN5003
CN5004
CN871
CN807
CN808
CN873
CN802
CN6503
CN6504
⑧ G1 board
⑦ Two screws
(+PSW3 x 10)
② Rear cover (B)
CN6002
CN6003
CN809
CN810
CN207
CN6
CN15
CN6004
⑨ Two screws
(+PSW3 x 10)
CN816
CN780
① Four screws
(+RK4 x 8)
CN811
⑪ H5 board
CN206
⑩ Screw
(+PSW4 x 10)
⑤ Seven screws
(+PSW3 x 10)
③ Four screws
(+PSW3 x 10)
④ SC unit cover

2-2-5. K Board Removal

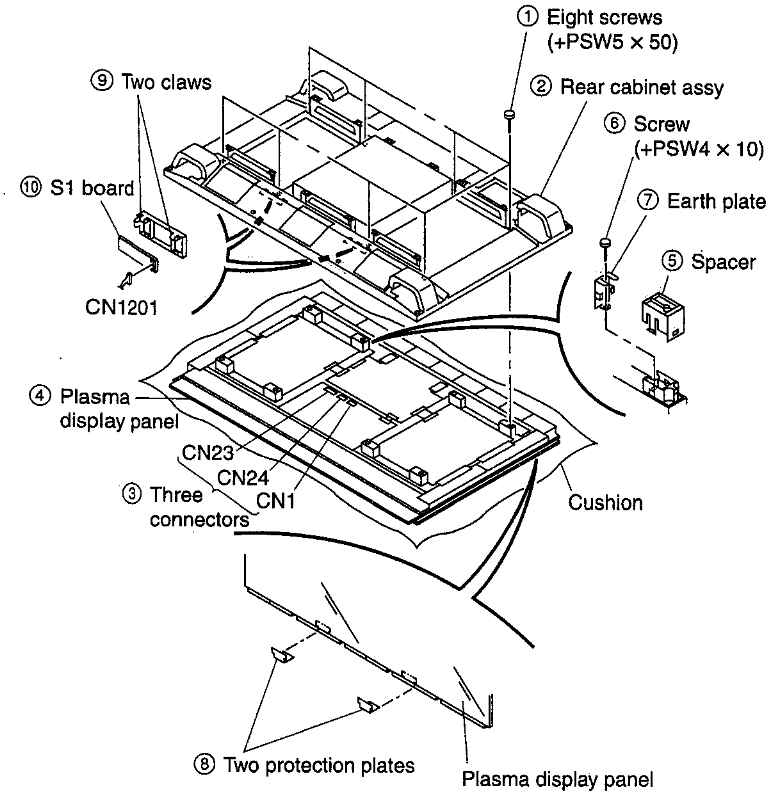

⑥ K board
⑤ Screw
(+PSW4 x 10)
CN23
CN24
④ SC block
CN6504
CN1
CN6003
9 pin
4 pin
CN807
CN808
CN873
CN6002
CN809
CN802
③ Six screws
(+PSW4 x 10)
② SC unit
cover
① Four screws
(+PSW3 x 10)

2-2-6. Bezel Assy and H6 Board Removal


⑤ Bezel assy
⑨ Key board unit
④ Ten screws
(+PSW4 x 16)
② Hand hole
cover
⑧ Three screws
(+PSW3 x 10)
① Screw
(+PSW
4 x 10)
⑦ Filter bracket (H)
CN703
CN702
CN710
CN709
CN708
⑥ Two screws
(+PSW4 x 10)
CN701
⑩ Two claws
③ Three connectors
⑪ H6 board

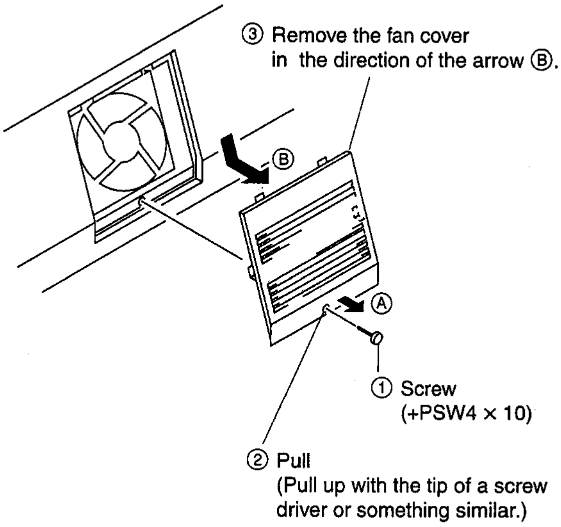
2-2-7. Plasma Display Panel and S1 Board Removal

- Remove the three connectors .
  (CN1, 23, 24)
  [Refer to 2-2-5. K Board Removal]



① Eight screws (+PSW5 x 50)
② Rear cabinet assy
⑥ Screw (+PSW4 x 10)
⑦ Earth plate
⑤ Spacer
⑨ Two claws
⑩ S1 board
CN1201
④ Plasma display panel
CN23
CN24
CN1
③ Three connectors
Cushion
⑧ Two protection plates
Plasma display panel

2-2-8. Fan Cover Removal



③ Remove the fan cover in the direction of the arrow Ⓑ.
Ⓑ
Ⓐ
① Screw (+PSW4 x 10)
② Pull (Pull up with the tip of a screw driver or something similar.)

Section 3
Electrical Adjustments

3-1. Equipment Required

- Oscilloscope
  Tektronix 2465 or equivalent
  (band width: 350 MHz or more)
- VG (Programmable video signal generator)
  VG814 or equivalent
- Frequency counter
  Advantest TR5821AK or equivalent
- Digital voltmeter
  Advantest TR6845 or equivalent
- Potential transformer
- Regulated DC power supply
- Remote commander (RM-921)

Note: Perform the following adjustments at least 5 minutes after turning on the power.

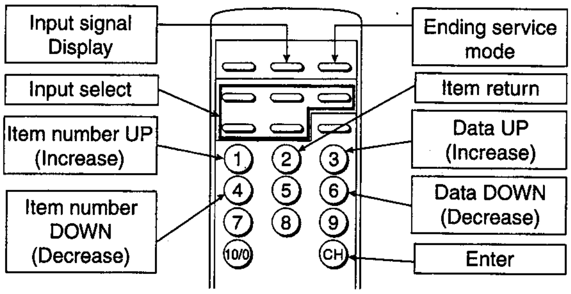
3-2. Electrical Adjustments in the Service Mode

Electric adjustment can be performed using the Remote Commander RM-921 attached to the set.
Adjustable items in the SERVICE mode are as follows.

MEMORY RESET	Resets the EEPROM.
PIC CONTROL	Adjusts the level of analog signal circuits.
W/B ADJUST	Adjusts the gain of A/D converter and digital gamma circuit, and adjusts the sub bright.
PIC SIZE	Adjusts picture size.
CONFIG	Sets special functions.
STATUS	Checks internal status.

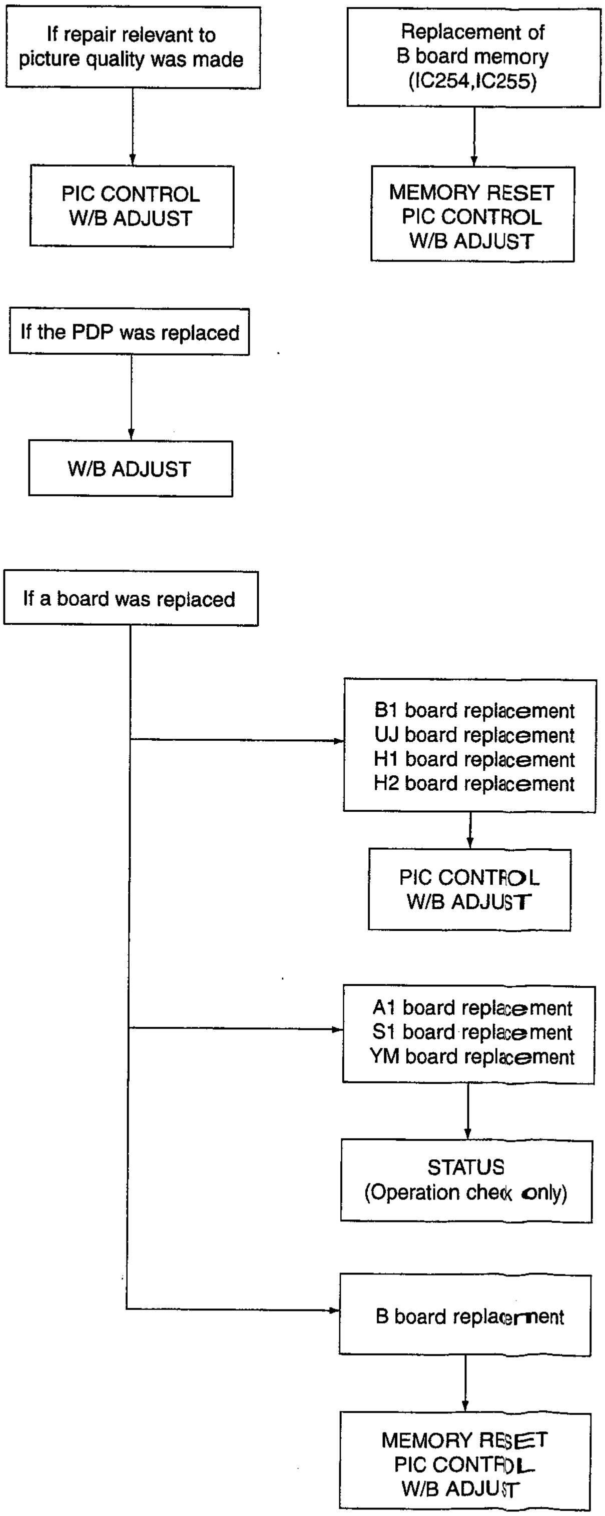
To enter the SERVICE mode, with the set in standby status, press DISPLAY → 5 → VOL + → POWER in this order.

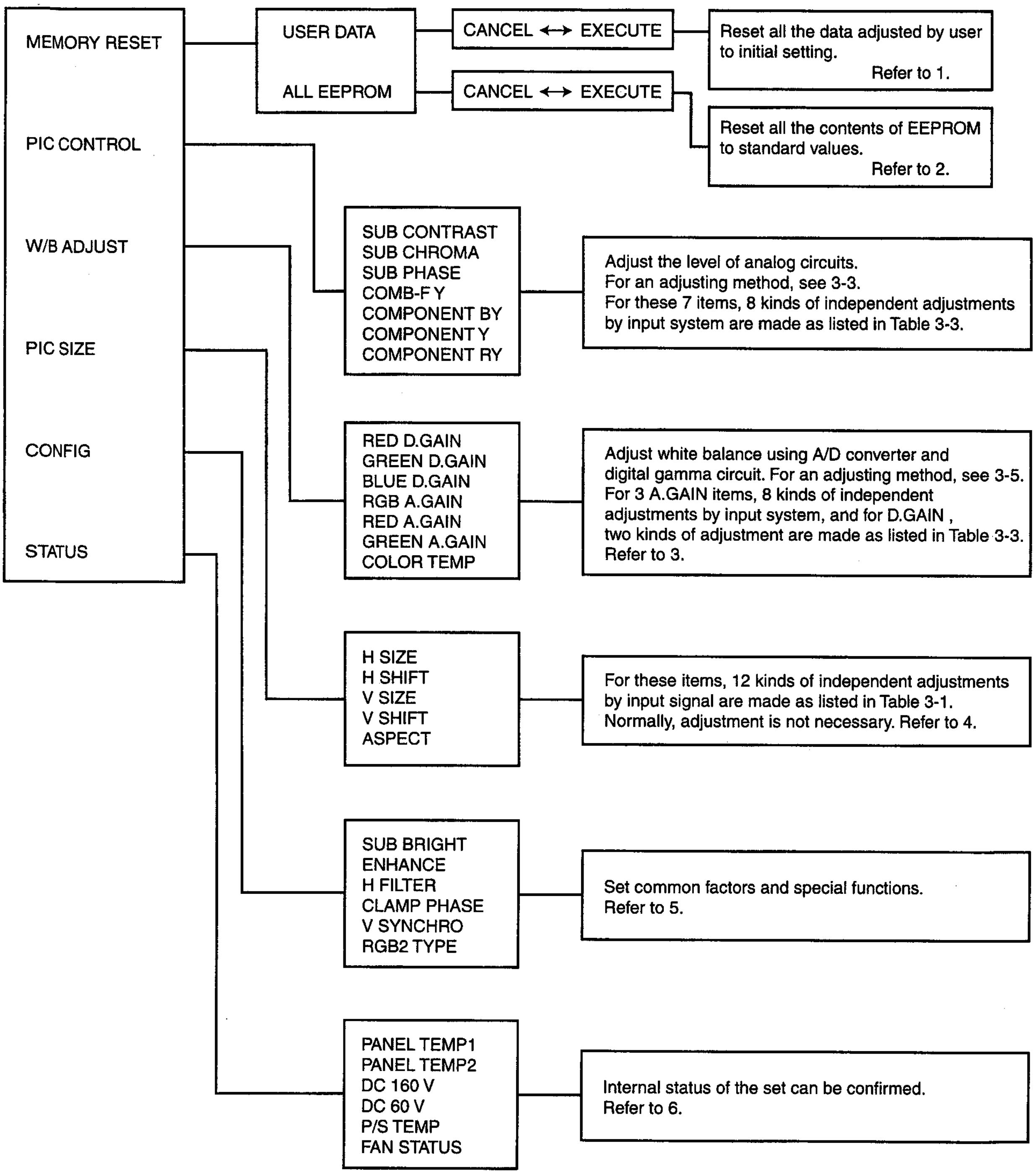
• Remote Commander functions in SERVICE mode


Input signal Display
Input select
Item number UP (Increase)
Item number DOWN (Decrease)
Ending service mode
Item return
Data UP (Increase)
Data DOWN (Decrease)
Enter
1
2
3
4
5
6
7
8
9
10/0
CH

• Adjustment Required in Service Mode

Adjustment in the SERVICE mode is required if either of the following repairs was made.


If repair relevant to picture quality was made
PIC CONTROL
W/B ADJUST
Replacement of B board memory (IC254,IC255)
MEMORY RESET
PIC CONTROL
W/B ADJUST
If the PDP was replaced
W/B ADJUST
If a board was replaced
B1 board replacement
UJ board replacement
H1 board replacement
H2 board replacement
PIC CONTROL
W/B ADJUST
A1 board replacement
S1 board replacement
YM board replacement
STATUS (Operation check only)
B board replacement
MEMORY RESET
PIC CONTROL
W/B ADJUST



- MEMORY RESET
  - USER DATA
    - CANCEL ↔ EXECUTE
      - Reset all the data adjusted by user to initial setting. Refer to 1.
  - ALL EEPROM
    - CANCEL ↔ EXECUTE
      - Reset all the contents of EEPROM to standard values. Refer to 2.
- PIC CONTROL
  - SUB CONTRAST
  - SUB CHROMA
  - SUB PHASE
  - COMB-F Y
  - COMPONENT BY
  - COMPONENT Y
  - COMPONENT RY
    - Adjust the level of analog circuits. For an adjusting method, see 3-3. For these 7 items, 8 kinds of independent adjustments by input system are made as listed in Table 3-3.
- W/B ADJUST
  - RED D.GAIN
  - GREEN D.GAIN
  - BLUE D.GAIN
  - RGB A.GAIN
  - RED A.GAIN
  - GREEN A.GAIN
  - COLOR TEMP
    - Adjust white balance using A/D converter and digital gamma circuit. For an adjusting method, see 3-5. For 3 A.GAIN items, 8 kinds of independent adjustments by input system, and for D.GAIN , two kinds of adjustment are made as listed in Table 3-3. Refer to 3.
- PIC SIZE
  - H SIZE
  - H SHIFT
  - V SIZE
  - V SHIFT
  - ASPECT
    - For these items, 12 kinds of independent adjustments by input signal are made as listed in Table 3-1. Normally, adjustment is not necessary. Refer to 4.
- CONFIG
  - SUB BRIGHT
  - ENHANCE
  - H FILTER
  - CLAMP PHASE
  - V SYNCHRO
  - RGB2 TYPE
    - Set common factors and special functions. Refer to 5.
- STATUS
  - PANEL TEMP1
  - PANEL TEMP2
  - DC 160 V
  - DC 60 V
  - P/S TEMP
  - FAN STATUS
    - Internal status of the set can be confirmed. Refer to 6.

1. USER DATA RESET (MEMORY RESET)

Items reset to initial setting, when executed.

CONTRAST 80
BRIGHTNESS 00
CHROMA 00
PHASE 00
COLOR TEMP .... HIGH
H SIZE 00
H SHIFT 00
V SIZE 00
V SHIFT 00

ASPECT .... 4 × 3
(16 × 9 for HDTV)
ENHANCE .... HIGH
(LOW for NTSC, PAL)
H FILTER .... AUTO
DISPLAY .... ON
LANGUAGE .... ENGLISH
REMOTE MODE .... TV
REMOTE ONLY ..... OFF

And, five kinds of user data of the MEMORY menu are all become empty.

2. ALL EEPROM RESET (MEMORY RESET)

All areas in EEPROM are reset to standard values saved in the system controller. Use this command when EEPROM was replaced.

Be careful when executing this command, because all data including service video data and service size data are rewritten.

3. W/B ADJUST

.... Read also "Precautions on Adjustment"

"RED D. GAIN", "GREEN D. GAIN" and "BLUE D. GAIN" of digital gain adjustments can be set independently for COLOR TEMP "HIGH" and "LOW" respectively.

At the shipment, these have been set to D9300 in COLOR TEMP "HIGH" mode, and D6500 in "LOW" mode.

Also, the standard values when RESET is executed on the User Menu are determined depending on the COLOR TEMP setting.

4. PIC SIZE

.... Read also "Precautions on Adjustment"

Use this command when the picture size is to be adjusted.

This adjustment determines standard value in executing the reset of the user menu.

Even if the data are erased due to EEPROM replacement, execution of b) ALL EEPROM RESET allows 12 kinds of preset data saved in the system controller to be all copied, and therefore normally the adjustment is not necessary.

5. CONFIG

- SUB BRIGHT

  Common adjusting factor. For details, see 3-4 "Sub Bright Adjustment".

- ENHANCE/H FILTER

  .... Read also "Precautions on Adjustment"

  This adjustment determines standard value in executing the reset of the user menu.

  Use this command when individual items are to be reset.

  Even if the data are erased due to EEPROM replacement, execution of b) ALL EEPROM RESET allows 12 kinds of preset data saved in the system controller to be all copied, and therefore normally the resetting is not necessary.

- CLAMP PHASE

  Set the video clamp position. If CLAMP PHASE is set to "B", the video signals are clamped at the back porch. Also, if it is set to "F", the video signals are clamped at the leading edge of sync signal.

  Normally, set it to "B".

- V SYNCHRO

  This model is not used.

- RGB2 TYPE

  Change setting from RGB to YUV, if mounting optional SDI.

  Setting the RGB2 TYPE to "YUV" enables the input of YUV signals. In this case, input display of OSD is SDI.

  Normally, select RGB.

Precautions on Adjustment

Preset data by input signal

COLOR TEMP
H SIZE
H SHIFT
V SIZE
V SHIFT
ASPECT
ENHANCE
H FILTER

These are related to the preset 12 kinds of signal timing (Table 3-1), and accordingly if no signal or unspecified signal is entered, "NOT ADJUSTABLE" is displayed at the top of screen, and at the same time, above 8 items are displayed in cyan. At this time, each data is the center value.

If either item is adjusted with unspecified signal input, the input signal timing is written to the MODE12 (ATI 1280 x 1024) area in Table 3-2.

Normally, do not make adjustment under "NOT ADJUSTABLE" condition.

The unspecified signal timing written to the MODE12 is reset to the initial setting by executing ALL EEPROM RESET.

6. STATUS

- PANEL TEMP1

  The temperature data from thermal sensor mounted on the S1 board on the power supply block side (panel back side at top of set) is displayed in [°C].

  Whether this temperature is faulty or not is given in "4-3. Trouble Codes List".
- PANEL TEMP2

  The temperature data from thermal sensor mounted on the S1 board on the signal input terminal board block side (panel back side at top of set) is displayed in [°C].

  Whether this temperature is faulty or not is given in "4-3.Trouble Codes List".
- DC 160 V

  160 V DC voltage supplied to the PDP is displayed in [V].

  Whether this voltage is faulty or not is given in "4-3. Trouble Codes List".
- DC 60 V

  60 V DC voltage supplied to the PDP is displayed in [V].

  Whether this voltage is faulty or not is given in "4-3. Trouble Codes List".
- P/S TEMP

  The judged data from thermal sensor built in the power supply block is displayed. If normal, "OK" is displayed.

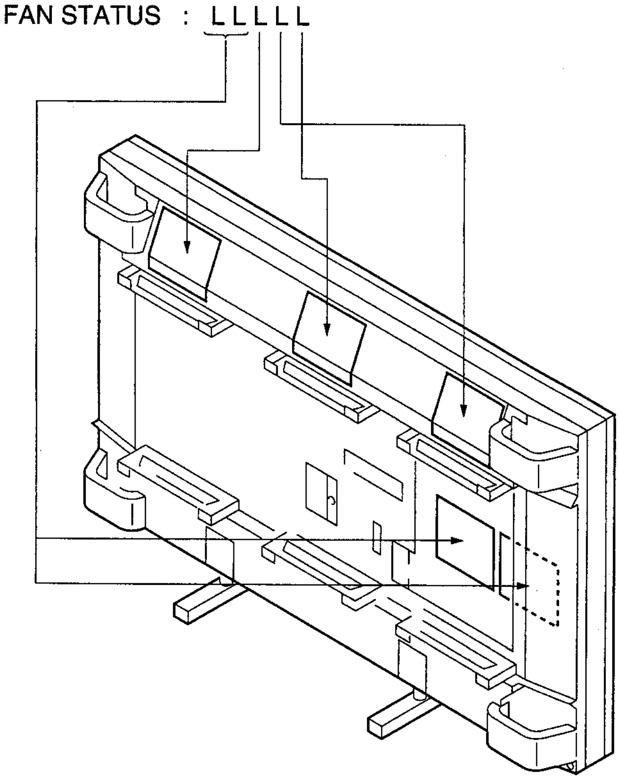
  "NG" is displayed if a temperature rise of power supply block exceeds allowable value.

  For the trouble of this temperature, see "4-3. Trouble Codes List".
- FAN STATUS

  Operating statuses of five cooling fans built in the set are displayed individually.

  "L" is displayed if normal, or "H" if abnormal.

  The relation between fan position and display is as shown below.



For the trouble of these fans, see "4-3. Trouble Codes List".

Table 3-1 Factory Preset Data

MODE	NAME	CLOCK (MHz)	H.FREQ (KHz)	V.FREQ (Hz)	EXT (H/V)	COMP VIDEO	COLOR TEMP	ASPECT	ENHANCE	H FILTER
1	NTSC	14.318	15.734	59.94		YES	HIGH	4 × 3	LOW	AUTO
2	PAL	17.75	15.625	50		YES	HIGH	4 × 3	LOW	AUTO
3	HDTV	37.125	33.75	59.94			HIGH	16 × 9	HIGH	AUTO
4	VGA	25.175	31.469	59.94	(-/-)		HIGH	4 × 3	HIGH	AUTO
5	VGA (TEXT)	28.332	31.469	70.111	(-/+)		HIGH	4 × 3	HIGH	AUTO
6	MAC13"	30.24	35	66.667	(-/-)		HIGH	4 × 3	HIGH	AUTO
7	MAC16"	57.285	49.727	74.553	(-/-)		HIGH	4 × 3	HIGH	AUTO
8	VESA 800 × 600	40	37.879	60.317	(+/+)		HIGH	4 × 3	HIGH	AUTO
9	VESA 1024 × 768	65	48.363	60.004	(-/-)		HIGH	4 × 3	HIGH	AUTO
10	ATI 1280 × 1024	110	63.953	59.94	(-/-)		HIGH	4 × 3	HIGH	AUTO
11	MAC21"	100	68.681	75.061	(-/-)		HIGH	4 × 3	HIGH	AUTO
12	ATI 1280 × 1024	135	79.976	75.025	(+/+)		HIGH	4 × 3	HIGH	AUTO

Table 3-2 Preset Timing

MODE	1		2		3		4		5		6		7		8		9		10		11		12	
NAME	NTSC		PAL		HDTV		VGA		VGA (TEXT)		MAC13"		MAC16"		VESA800 x 600		VESA1024 x 768		ATI1280 x 1024		MAC21"		ATI1280 x 1024	
RESOLUTION	753 x 483		923 x 573		960 x 1034		640 x 480		720 x 400		640 x 480		832 x 624		800 x 600		1024 x 768		1280 x 1024		1152 x 870		1280 x 1024	
CLOCK (MHz)	14.318		17.75		37.125		25.175		28.332		30.24		57.285		40		65		110		100		135	
HORIZONTAL																								
H. FREQ (KHz)	15.734		15.625		33.75		31.469		31.469		35		49.727		37.879		48.363		63.953		68.681		79.976	
	μ sec	dots	μ sec	dots	μ sec	dots	μ sec	dots	μ sec	dots	μ sec	dots	μ sec	dots	μ sec	dots	μ sec	dots	μ sec	dots	μ sec	dots	μ sec	dots
H. TOTAL	63.556	910	64	1136	29.63	1100	31.778	800	31.766	900	28.571	864	20.11	1152	26.4	1056	20.667	1344	15.64	1720	14.56	1456	12.504	1688
H. BLK	10.9	156	12	213	3.771	140	6.356	160	6.353	180	7.407	224	5.586	320	6.4	256	4.923	320	4	440	3.04	304	3.022	408
H. FP	1.5	22	1.5	26	0.593	22	0.636	16	0.635	18	2.116	64	0.559	32	1	40	0.369	24	0.727	80	0.32	32	0.119	16
H. SYNC	4.7	67	4.7	84	0.593	22	3.813	96	3.812	108	2.116	64	1.117	64	3.2	128	2.092	136	1.018	112	1.28	128	1.067	144
H. BP	4.7	67	5.8	103	2.586	96	1.907	48	1.906	54	3.175	96	3.91	224	2.2	88	2.462	160	2.255	248	1.44	144	1.837	248
H. ACTIVE	52.656	754	52	923	25.859	960	25.422	640	25.413	720	21.164	640	14.524	832	20	800	15.754	1024	11.64	1280	11.52	1152	9.481	1280
VERTICAL																								
V. FREQ (Hz)	59.94		50		59.94		59.94		70.111		66.667		74.553		60.317		60.004		59.94		75.061		75.025	
	m sec	lines	m sec	lines	m sec	lines	m sec	lines	m sec	lines	m sec	lines	m sec	lines	m sec	lines	m sec	lines	m sec	lines	m sec	lines	m sec	lines
V. TOTAL	16.683	262.5	20	312.5	16.667	562.5	16.683	525	14.263	449	15	525	13.413	667	16.579	628	16.666	806	16.688	1067	13.323	915	13.329	1066
V. BLK	1.303	20.5	1.632	25.5	1.348	45.5	1.43	45	1.557	49	1.286	45	0.865	43	0.739	28	0.786	38	0.673	43	0.655	45	0.525	42
V. FP	0.254	4	0.192	3	0.178	6	0.318	10	0.381	12	0.086	3	0.06	3	0.026	1	0.062	3	0.016	1	0.044	3	0.013	1
V. SYNC	0.191	3	0.16	2.5	0.148	5	0.064	2	0.064	2	0.086	3	0.06	3	0.106	4	0.124	6	0.078	5	0.044	3	0.038	3
V. BP	0.858	13.5	1.28	20	1.022	34.5	1.049	33	1.112	35	1.114	39	0.744	37	0.607	23	0.6	29	0.579	37	0.568	39	0.475	38
V. ACTIVE	15.381	242	18.368	287	15.319	517	15.253	480	12.706	400	13.714	480	12.549	624	15.84	600	15.88	768	16.015	1024	12.67	870	12.8	1024
SYNC																								
SOG					YES						YES													
EXT (H/V)							(-/-)		(-/+)		(-/-)		(-/-)		(+/+)		(-/-)		(-/-)		(-/-)		(+/+)	
COMP VIDEO	YES		YES																					
VIDEO LEVEL	0.714V		0.700V		0.714V		0.714V		0.714V		0.714V		0.714V		0.714V		0.714V		0.714V		0.714V		0.714V	
SYNC LEVEL	0.286V		0.300V		0.286V		TTL		TTL		0.286V		TTL		TTL		TTL		TTL		TTL		TTL	

3-3. Adjustment of Respective Signal Levels

3-3-1. RGB Level Adjustment

1. Make preparation for adjustment, input AC, input the gray scale (Including 100IRE) of the VGA graphic (640 × 480) to RGB1, and select RGB1 using a remote commander.
2. Observe the TP503 (B IN) using an oscilloscope, and adjust the RGB A.GAIN level using a remote commander so that the signal level will be 1.10 V ±0.01 V p-p. (Fig. 3-1)
3. Observe the TP501 (R IN) using an oscilloscope, and adjust the RED A.GAIN level with a Remote commander so that the signal level will be 1.10 V ±0.01 V p-p. (Fig. 3-1)
4. Observe the TP502 (G IN) using an oscilloscope, and adjust the GREEN A.GAIN level using a remote commander so that the signal level will be 1.10 V ±0.01 V p-p. (Fig. 3-1)
5. Input the gray scale of the HIGH VISION (YPbPr) to the RGB1, and select the YUV mode using a remote commander.
6. Observe the TP503 (B IN) using an oscilloscope, and adjust the RGB A.GAIN level using a remote commander so that the signal level will be 1.10 V ±0.01 V p-p. (Fig. 3-1)

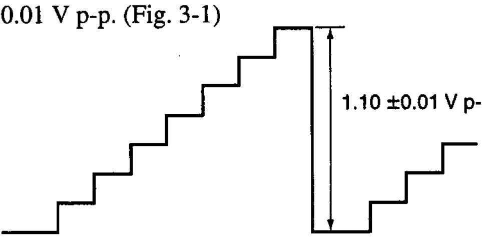


Fig. 3-1

3-3-2. YUV Level Adjustment

1. Input the YUV signal to the RGB1 Input terminal. The signal should be gray scale (NTSC).
2. Select the YUV mode using a remote commander to enter the adjustment mode.
3. Observe the TP2: BR board (G OUT) using an oscilloscope, and adjust the COMPONENT Y level so that the signal level will be 0.70 V ±0.01 V p-p. (Fig. 3-2)

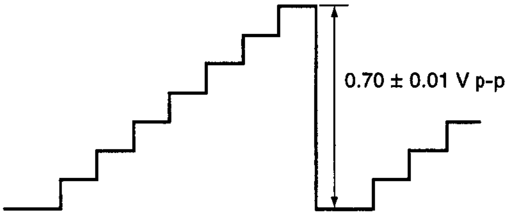


Fig. 3-2

4. Observe the TP503 (B IN) using an oscilloscope, and adjust the RGB A.GAIN level so that the signal level will be 1.10 V ±0.01 V p-p. (Fig. 3-3)

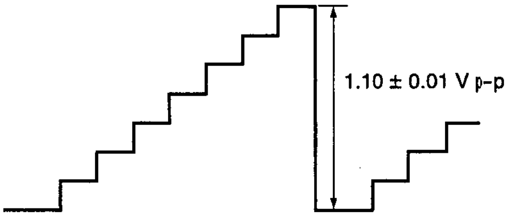


Fig. 3-3

5. Change the signal of 75 % color bar.
6. Adjust the COMPONENT B-Y so that the TP503 (B IN) level and the B level will be the same. (Fig. 3-4)

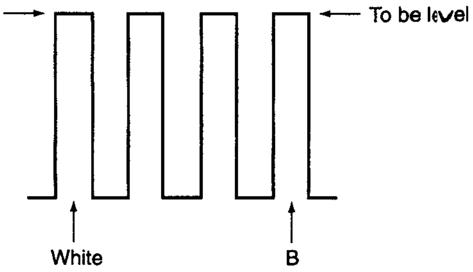


Fig. 3-4

7. Adjust the COMPONENT R-Y so that the TP501 (R IN) level and the R level will be the same. (Fig. 3-5)

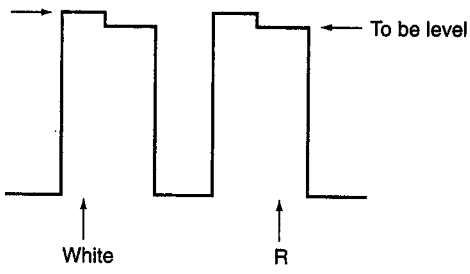


Fig. 3-5

8. Ensure tracking between 6 and 7.
9. Adjust the SUB PHASE so that all the signal levels of the TP503 (B IN) will be the same. (Fig. 3-6)
   Standard level difference: Within 0.03 V

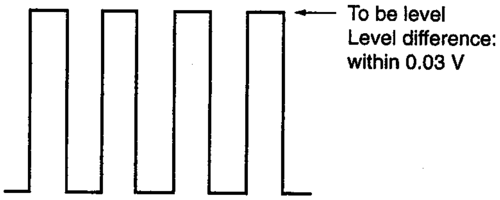


Fig. 3-6

10. The levels are not the same, ensure tracking among 6, 7 and 9.
11. Change the signal to the YUV of the PAL, and make the same adjustment as the NTSC.

Note: In the case of PAL, adjustment will be almost satisfactory when NTSC data are copied. So adjust only incorrect points after copying the data.

3-3-3. Y/C Level Adjustment

1. Input the gray scale of the NTSC to the Y/C input.
2. Select the Y/C with a Remote commander to enter the adjustment mode.
3. Observe the TP2: BR board (G OUT) using an oscilloscope, and adjust the SUB CONTRAST so that the signal level will be 0.70 V ±0.01 V p-p. (Fig. 3-7)

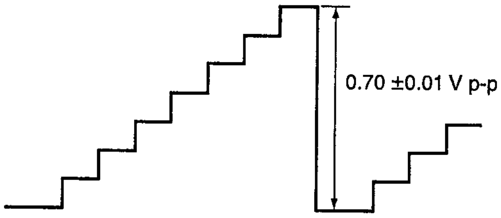


Fig. 3-7

4. Input the RGB A. GAIN level that was adjusted by the YUV of NTSC to the RGB A. GAIN.
5. Change the signal of 75 % color bar.
6. Adjust the SUB CHROMA so that the TP503 (B IN) white level and the B level will be the same. (Fig. 3-8)

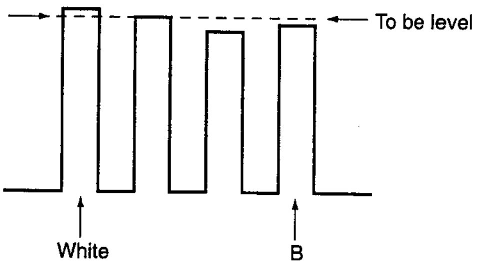


Fig. 3-8

7. Adjust the SUB PHASE so that all output will be the same. (Fig. 3-9)
   Standard: Within 0.03 V

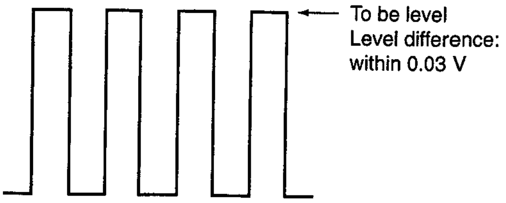


Fig. 3-9

8. Ensure tracking between 6 and 7.
9. Change the signal to the PAL and make the same adjustment as the case of the NTSC.

Note: In the case of the PAL, copy the NTSC data and then adjust incorrect points.

3-3-4. Adjustment of Composite Video Level

1. Input the gray scale of the NTSC to the line input, and enter the LINE input mode using a remote commander.
2. Enter the adjustment mode using a remote commander, and input the RGB A.GAIN level that was adjusted by the YUV of NTSC. Input the SUB CONTRAST value that was adjusted by the Y/C input to the SUB CONTRAST.

3. Observe the TP2: BR board (G OUT) using an oscilloscope, and adjust the COMB-F Y level so that the output level will be 0.70 V ±0.01 V p-p. (Fig. 3-10)

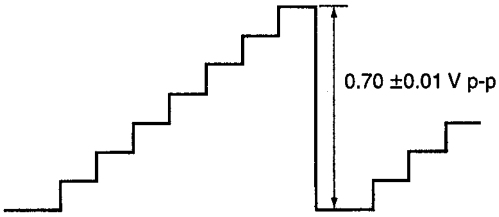


Fig. 3-10

4. Change the signal of 75% color bar, and adjust the SUB CHROMA so that the TP503 (B IN) white level and the B level will be the same. (Fig. 3-11)

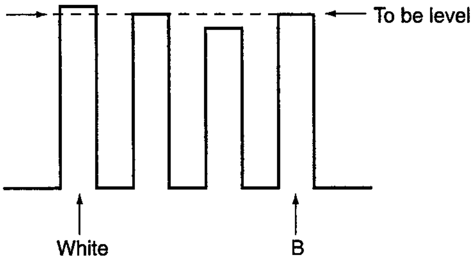


Fig. 3-11

5. Adjust the SUB PHASE so that all outputs will be the same. (Fig. 3-12)
   Standard: Within 0.03 V

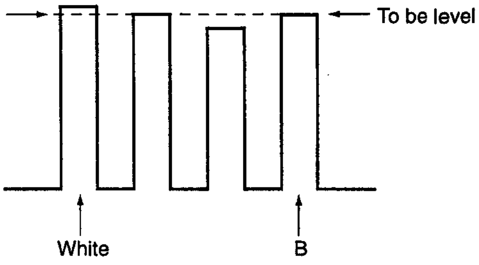


Fig. 3-12

6. Ensure tracking between 4 and 5.
7. Change the signal to the PAL and make the same adjustment as the case of the NTSC.

Note: In case of the PAL, adjustment will be almost satisfactory when NTSC data are copied. So adjust only incorrect points after copying the data.

3-4. Sub Bright Adjustment

1. Enter SMPTE color bar signal to the LINE input.
2. Adjust the SUB BRIGHT level so that the screen brightens dimly at 2.5 IRE and that 0 IRE becomes the same level as blanking level.

3-5. White Balance Adjustments

3-5-1. RGB System Adjustment

1. Input the entire white signal (80 IRE) of the VGA graphic (640 × 480) to the RGB1 Input terminal.
2. Select the RGB1 using remote commander to enter the adjustment mode.
3. Adjust the RED D.GAIN level and GREEN D.GAIN level so that the white balance level will be standards on 6500 K.
   Normally, set BLUE D. GAIN to 255.
4. Set the COLOR TEMP to LOW, and BLUE D.GAIN to 223. Adjust RED D.GAIN level and GREEN D.GAIN level so that the specification of 6500 K is satisfied.
   If it is not satisfied, decrease the BLUE D.GAIN every 16 steps and readjust again.

3-5-2. High Vision Adjustment

1. Input the entire white signal (80 IRE) of the HIGH VISION to the RGB1 Input terminal.
2. Select the YUV using remote commander to enter the adjustment mode.
3. Adjust the RED A.GAIN level and GREEN A.GAIN level so that the white balance level will be standards on 6500 K.

3-5-3. Video System Adjustment

1. Input the entire white signal (80 IRE) of the YUV (NTSC) to the RGB1 Input terminal.
2. Select the YUV using remote commander to enter the adjustment mode.
3. Adjust the RED A.GAIN level and GREEN A.GAIN level so that the white balance level will be standards on 6500 K.
4. Input the RED A.GAIN level and GREEN A.GAIN level that was adjusted by the YUV of NTSC when input to the LINE Input terminal (NTSC and PAL), Y/C Input terminal (NTSC and PAL) and RGB1 Input terminal (PAL).

Table 3-3

Data requiring overall adjustment									
		RGB1	YUV HDTV	YUV NTSC	YUV PAL	COMPOSITE NTSC	COMPOSITE PAL	Y/C NTSC	Y/C PAL
DA1	SUB CONTRAST	×	×	×	×	000 – 255	000 – 255	000 – 255	000 – 255
	SUB PHASE	×	×	000 – 255	000 – 255	000 – 255	000 – 255	000 – 255	000 – 255
	SUB CHROMA	×	×	×	×	000 – 255	000 – 255	000 – 255	000 – 255
DA2	RGB A.GAIN Level	000 – 255	000 – 255	000 – 255	000 – 255	000 – 255	000 – 255	000 – 255	000 – 255
	RED A.GAIN Level	000 – 255	000 – 255	000 – 255	000 – 255	000 – 255	000 – 255	000 – 255	000 – 255
	GREEN A. GAIN Level	000 – 255	000 – 255	000 – 255	000 – 255	000 – 255	000 – 255	000 – 255	000 – 255
	COMF Y Level	×	×	×	×	000 – 255	000 – 255	×	×
	COM Y Level	×	×	000 – 255	000 – 255	×	×	×	×
	COM R–Y Level	×	×	000 – 255	000 – 255	×	×	×	×
	COM B–Y Level	×	×	000 – 255	000 – 255	×	×	×	×
	RED D.GAIN Level	000 – 255	×	×	×	×	×	×	×
	GREEN D. GAIN Level	000 – 255	×	×	×	×	×	×	×

3-6. Switching Regulator (APS-132M Board) Adjustments

3-6-1. Preparation

1. Remove the switching regulator from the set, and adjust it under no load.
2. If adjusting the switching regulator with each output loaded, set as follows.

- **Load on each output**

Output	Pin No.	MIN	MAX
VCC	CN4 ① pin	1.0 A	5.0 A
VS	CN5 ② pin	0.5 A	1.7 A
VA	CN5 ⑤ pin	0.5 A	1.5 A
AUDIO +B	CN6 ③ pin	0.05 A	1.0 A
STBY +5V	CN7 ② pin	0.2 A	0.3 A
5VD	CN7 ⑤ pin	1.2 A	1.8 A
6.2V	CN7 ⑧ pin	0.6 A	1.0 A
13.5V	CN7 ⑫ pin	0.5 A	1.0 A
13V	CN7 ⑭ pin	0.4 A	1.0 A

3-6-2. 13V System Minimum Frequency Adjustment

1. Apply 18 V DC to both ends of C169.
2. Connect a frequency counter between gate and source of Q153.

Note: As the input of frequency counter, use 10 : 1 oscilloscope probes and raise the input impedance.

3. Adjust the RV150 so that the oscillation frequency is 93 ±0.5 kHz.

3-6-3. VS System Minimum Frequency Adjustment

1. Short between ③and④ pins of PH501.
2. Apply 18 V DC to both ends of C169.
3. Connect a frequency counter between gate and source of Q503.

Note: As the input of frequency counter, use 10 : 1 oscilloscope probes and raise the input impedance.

4. Adjust the RV500 so that the oscillation frequency is 49 ±0.5 kHz.

3-6-4. VA System Minimum Frequency Adjustment

1. Short between ③ and ④ pins of PH701.
2. Apply 18 V DC to both ends of C169.
3. Connect a frequency counter between gate and source of Q703.

Note: As the input of frequency counter, use 10 : 1 oscilloscope probes and raise the input impedance.

4. Adjust the RV700 so that the oscillation frequency is 65 ±0.5 kHz.

3-6-5. PFC Voltage Adjustment

1. Set the load on each output to the minimum.
2. Apply 100 V AC.
3. Turn the $\overline{\text{STBY}}$ signal ON. (Short between CN7 ① and ② pins).
4. Adjust the RV300 so that the voltage across C115 is 385 ±2 V.

3-6-6. 5V Adjustment

1. Set the load on each output to the minimum.
2. Apply 100 V AC.
3. Adjust the RV201 so that the voltage of STBY +5 V output (between CN7 ①and ② pins) is 5.12 ±0.03 V.

3-6-7. 13.5V Adjustment

1. Set the load on each output to the minimum.
2. Apply 100 V AC.
3. Turn the $\overline{\text{STBY}}$ signal ON. (Short between CN7 ① and ② pins).
4. Adjust the RV250 so that the voltage of 13.5 V output (between CN7 ⑫ and ⑪ pins) is 13.7 ±0.05 V.

3-6-8. VS Adjustment

1. Open the load on VS and VA outputs, and set the load on the other outputs to the minimum.
2. Apply 100 V AC.
3. Turn the $\overline{\text{STBY}}$ signal ON (short between CN7 ① and ② pins), and also the VRR signal ON (short between CN4 ⑦ pin and CN7 ② pin).
4. Apply 0 V DC to the VRS (CN4 ③ pin). Use CN4 ④ pin as GND.
5. Adjust the RV402 so that the voltage of VS output (between CN5 ② and ⑥ pins) is about 149 V.
6. Adjust the RV400 so that the voltage is 149.2 V.
7. Adjust the RV402 so that the voltage is 150 ±0.1V.
8. Apply 2 V DC to the VRS.
9. Check that the voltage is 170 ±0.3 V. If the measured value is out of the range, repeat the above steps from 4, where in step 6, shift the adjustment value a little, then check the voltage.

3-6-9. VS OCP

1. Set the load on each output to the minimum.
2. Apply 100 V AC.
3. Turn the $\overline{\text{STBY}}$ signal ON (short between CN7 ① and ② pins), and also the VRR signal ON (short between CN4 ⑦ pin and CN7 ② pin).
4. Apply 0 V DC to the VRS (CN4 ③ pin).
   Use CN4 ④ pin as GND.
5. Connect a voltmeter to the VS output (between CN5 ② and ⑥ pins).
6. Set the load on VS output to 3.8 A, and rotate the RV401 until the output voltage varies.

Note: Be careful, not to turn excssively, because power can not be obtained.

3-6-10. VA Adjustment

1. Open the load on VS and VA outputs, and set the load on the other outputs to the minimum.
2. Apply 100 V AC.
3. Turn the $\overline{\text{STBY}}$ signal ON (short between CN7 ① and ② pins), and also the VRR signal ON (short between CN4 ⑦ pin and CN7 ② pin).
4. Apply 0 V DC to the VRA (CN4 ⑤ pin).
   Use CN4 ⑥ pin as GND.
5. Adjust the RV602 so that the voltage of VA output (between CN5 ⑤ and ① pins) is about 49 V.
6. Adjust the RV600 so that the voltage is 49.2 V.
7. Adjust the RV602 so that the voltage is 50 ±0.1 V.
8. Apply 2 V DC to the VRA.
9. Check that the voltage is 70 ±0.3 V. If the measured value is out of the range, repeat the above steps from 4, where in step 6, shift the adjustment value a little, then check the voltage.

Note: As the output voltage varies according to the voltage applied to the VRA, do not shift the applied voltage (2 V DC).

3-6-11. VA OCP

1. Set the load on each output to the minimum.
2. Apply 100 V AC.
3. Turn the $\overline{\text{STBY}}$ signal ON (short between CN7 ① and ② pins), and also the VRR signal ON (short between CN4 ⑦ pin and CN7 ② pin).
4. Apply 0 V DC to the VRA (CN4 ⑤ pin).
   Use CN4 ⑥ pin as GND.
5. Connect a voltmeter to the VA output (between CN5 ⑤ and ① pins).
6. Set the load on VA output to 4.4 A, and rotate the RV601 until the output voltage varies.

Note: Be careful, not to turn excssively, because power can not be obtained.

Section 4
Trouble Shooting

4-1. Judging Method When Image Does Not Appear

1. Flow chart

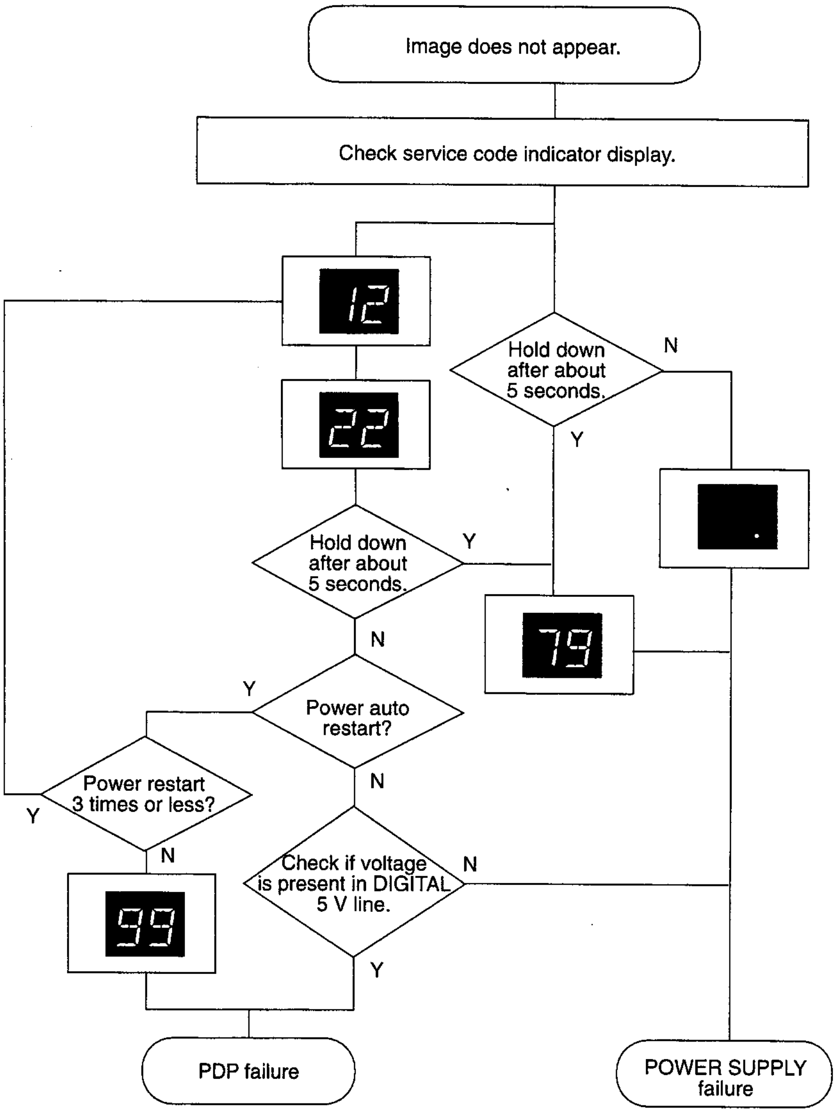


Image does not appear.
Check service code indicator display.
12
22
Hold down after about 5 seconds.
N
Y
Hold down after about 5 seconds.
Y
N
79
Power auto restart?
Y
N
Power restart 3 times or less?
Y
N
99
Check if voltage is present in DIGITAL 5 V line.
N
Y
PDP failure
POWER SUPPLY failure

2. How to find PDP unit trouble

1) The power must be supplied normally to the PDP unit. This power is supplied through two black 8-pin connectors from the power unit. The kinds of power supply are 160 V line, 60 V line, and 5 V line.

2) As input signals, H.SYNC (negative polarity), V.SYNC (negative polarity), BLANKING (negative polarity), CLOCK and RGB digital data (8 bit × 3) must be entered normally and DISPEN must be "high".

If no images appears through the above conditions are satisfied, the PDP unit will be defective.

4-2. Self Diagnostic Function

4-2-1. General Description

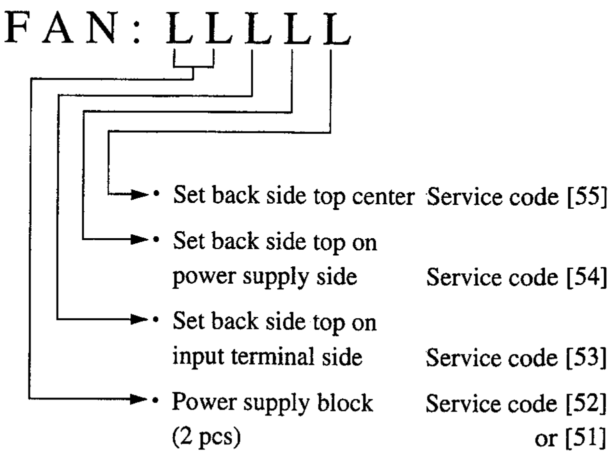
The self diagnostic function of this set comprises four channels to detect analog voltage (160 V,60 V DC voltage for panel drive, and 2 kinds of panel back side temperature) using A/D converters, six channels of shift registers to detect fan operations and power supply temperature threshold values, digital 5 V detection and fan control detection (microprocessor port). In case of an alarm or trouble, it displays a "trouble code" on the service code indicator in the power supply block, and also it blinks a standby indictor on the control panel and displays the detected data on the "STATUS" of the service menu. Further, it performs the "shut down" operation forcibly if an alarm status exceeds allowable value.

The detection items are as follows:

1. Detection of internal DC voltage 160 [V] rise and drop.
2. Detection of internal DC voltage 60 [V] rise and drop.
3. Detection of temperature rise at panel top on power supply block side, and shut down.
4. Detection of temperature rise at panel top on input terminal block side, and shut down.
5. Detection of fan operation stop.
   *Three fans at panel top, and two fans for power supply.
6. Fan control circuit alarm detection.
7. Detection of temperature rise in power supply block.
8. Shut down by faulty 5 [V] for internal digital circuits.
9. Detection of EEPROM trouble
10. PDP trouble diagnosis by combining voltage detections, and shout down.

4-2-2. Trouble Criteria

1. Internal DC voltage 160 [V] rise and drop
   (Service menu function name: DC 160 V)
   Normal range is reference voltage 160 [V] ± 32 [V].
   High voltage warning for more than 192 [V].
   Service code [11]
   Low voltage warning for less than 128 [V].
   Service code [12]
2. Internal DC voltage 60 [V] rise and drop
   (Service menu function name: DC 60 V)
   Normal range is reference voltage 60 [V] ± 15 [V].
   High voltage warning for more than 75 [V].
   Service code [21]
   Low voltage warning for less than 45 [V].
   Service code [22]
3. Temperature rise at PDP panel back side top on power supply block side
   (Service menu function name: PTEMP1)
   Normal range is up to 58 [dC].
   High temp. warning for more than 59 [dC].
   Service code [31]
   Shut down for more than 68 [dC]. Service code [39]
4. Temperature rise at PDP panel back side top on input terminal block side
   (Service menu function name: P TEMP2)
   Normal range is up to 54 [dC].
   High temp. warning for more than 55 [dC].
   Service code [41]
   Shut down for more than 64 [dC]. Service code [49]
5. Cooling fan motor stop
   (Service menu function name: FAN)
   In the service menu STATUS, each fan status is displayed with "L" or "H".


FAN : LLLLL
• Set back side top center Service code [55]
• Set back side top on power supply side Service code [54]
• Set back side top on input terminal side Service code [53]
• Power supply block (2 pcs) Service code [52] or [51]

OSD display ......L for normal, or H for abnormal (stop)

6. Fan Control Circuit Alarm
   (Service Menu function name: None)
   Alarm where the fan drive voltage is not output due to faulty voltage transforming circuit in the YM board.
   Service Code [58]

   Note: This alarm is displayed 15 to 20 seconds after actual operation failure occurred, and therefore only the fan stop alarm may be displayed immediately after the failure occurred.

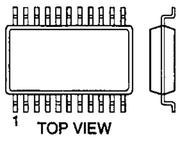
7. Temperature rise in power supply block
   (Service menu function name: P/S TEMP)
   High temperature warning is output if the temperature of radiator panel for main converter in power supply block exceeds the allowable value. Service code [61]
8. Faulty 5 [V] for PDP and digital circuits
   (Service menu function name: None)
   The voltage entered to the system controller (IC252) pin 62 is detected.
   Shut down if no voltage is entered. Service code [79]
9. EEPROM Access error
   (Service menu function name: None)
   Warning if communication with EEPROM failed.
   EEPROM1 (IC254) error. Service code [81]
   EEPROM2 (IC255) error. Service code [82]
10. PDP trouble diagnosis
   (Service menu function name: None)
   The PDP will be troubled, if digital 5 V is normal but both DC 160 V and DC 60 V are not entered, among PDP drive voltages (DC 160 V, DC 60 V, and digital 5 V).
   When the following voltage conditions are all satisfied
    1) DC 160 V is less than 40 [V]
    2) DC 60 V is less than 20 [V]
    3) Digital 5 V is normal
   this function places the PDP in standby mode once, then restarts the power supply. It repeats this operation three times, and if the above three conditions are not recovered normally, it judges the PDP as trouble, and shuts it down. Service code [99]

4-3. Trouble Codes List

Display Codes	Function Trouble Status	Name
11	DC 160 V high voltage warning (over 192 V)	DC 160V
12	DC 160 V low voltage warning (below 128 V)	DC 160V
21	DC 60 V high voltage warning (over 75 V)	DC 60V
22	DC 60 V low voltage warning (below 45 V)	DC 60V
31	High temp. warning at panel top on power supply block side (over 59 dC)	PANEL TEMP1
39	Shut down by high temp. at panel top on power supply block side (over 68 dC)	PANEL TEMP1
41	High temp. warning at panel top on input terminal block side (over 55 dC)	PANEL TEMP2
49	Shut down by high temp. at panel top on input terminal block side (over 64 dC)	PANEL TEMP2
51	Power supply block intake fan 1 stop warning	FAN STATUS
52	Power supply block intake fan 2 stop warning	FAN STATUS
53	Panel top input terminal block exhaust fan stop warning	FAN STATUS
54	Panel top power supply block exhaust fan stop warning	FAN STATUS
55	Panel top center exhaust fan stop warning	FAN STATUS
58	Fan control circuit alarm warning	
61	Power supply block high internal temp. warning	P/S TEMP
79	Shut down by faulty 5V for digital circuits	
81	EEPROM1 Access error	
82	EEPROM2 Access error	
99	Shut down by panel trouble (when digital 5 V is normal, DC 160 V is below 40 V, and DC 60 V is below 20 V, the power supply is restarted 3 times repeatedly, but these voltages are not recovered normally)	

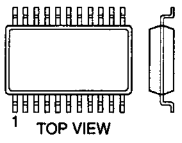
Section 5
Semiconductors

BA10324AF-E2
MC74HC04AF
MC74HC04AF-T2
MC74HC132AF
MC74HC132AF-T2
MC74HC14AF-T2
MC74HC74AF-T2
SN74HC08ANS
SN74HC08ANSR
SN74HC14ANS
TC74ACT04F
TC74ACT04F-EL
TC74VHC74F
TC74VHC74F(EL)
TLC2932IPW
TLC2932IPW-E20
TLC2933IPWR
XRA10324AF



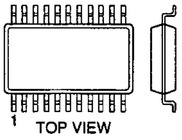
14pin SOP

BA10358F
BA10358F-E2
BA10358F-T2
BA10393F-E2
CXA1211M
CXA1211M-T4
LM2903M
LM2903M-E20
LM2903PS
MM1113XFBE
MM1114XFBE
NJM2904E(TE2)
NJM2904M
TC4W53FU
TC4W53FU(TE12R)
TC4W66F(TE12R)
TC7W125FU-TE12R
TC7W14FU(TE12R)
TC7W66FU(TE12R)
TC7W74FU
TC7W74FU(TE12R)
TL026CPS-E05
μPC358G2-T1
24LC21AT/SN
24LC21T/SN



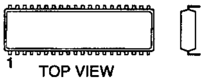
8pin SOP

BA7657F-E2
M66258FP-E2
TA8184F(EL)
μPC659AGS-E2



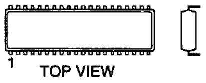
24pin SOP

CXA1739S



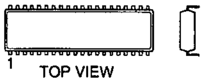
48pin DIP

CXA1779P
MC68HC05P6SC442119B



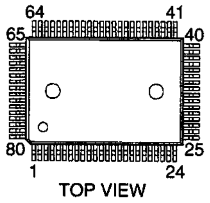
28pin DIP

CXA8038AP
ICS9161A-01CW16T
KS6369-20AP
TK83854D

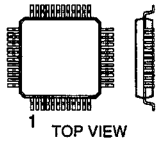


16pin DIP

CXD2024AQ
CXD2024AQ-TL
CXD2303AQ
CXD2303AQ-TL
CXD303-105Q

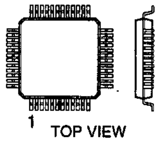

64
41
65
40
80
25
1
24
TOP VIEW

CXD2075Q



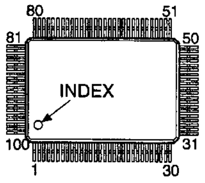
208pin QFP

CXD2302Q-T4

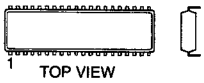


32pin QFP

CXD305-114Q
μPD6486GF-3BA

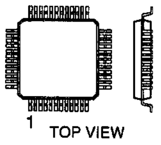

80
51
81
50
INDEX
100
31
1
30

EPC1PC8-9683V1.00
MM1170BFB
FA5317P



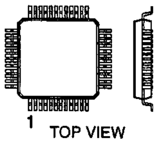
8pin DIP

EPF10K20TC144-3



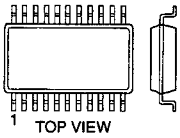
144pin QFP

HD6473257F10-HDPFM1



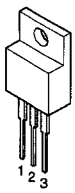
64pin QFP

HM530281-20
HM530281RTT-20
MSM27C802CZ-HD1GS-KDR1

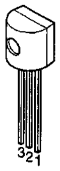


44pin SOP

LM2940CT-12FL91
LM2940CT-5.0
μPC2405HF
μPC24M12AHF

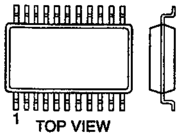


LM35DZ



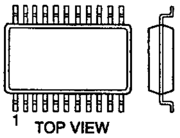
IC, Transistor

MAX202CSE
MAX202CSE-T
MC74HC4051F
MC74HC4051F-T2
MC74HC4052F
MC74HC4052F-T2
MC74HC4053F
MC74HC4053F-T2
MC74HC4538AF-T2
MC74HC4538F
MC74HC589AFEL
MC74HC595AF
TC74VHC157F
TC74VHC157F(EL)
TDA4665T/V5-118



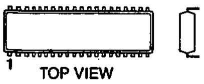
16pin SOP

MB90096PF-G-182-BND-ER
MN47V77ST1
μPD42280GU-30-E2



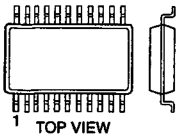
28pin SOP

M52036SP



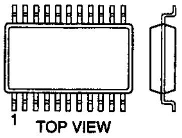
20pin DIP

M6M80041FP
M6M80041FP-T2



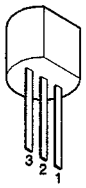
10pin SOP

M62352GP-75E
M62352GP-75ED
SN74ABT540NS-E05
SN74ABT574ANSR
SN74HC244ANS
SN74HC244ANSR
TC35095AF
TC35095AF-TP1
TC74VHC245F
TC74VHC245F(EL)
TC74VHC574F
TC74VHC574F(EL)

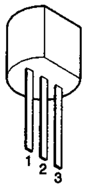


20pin SOP

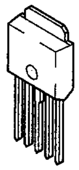
NJM78L09UA(TE1)
TA78L09F-TE12L
TA78L12S
TA78L12S-TPE2



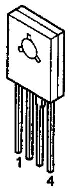
NJM79L05A



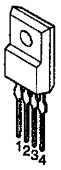
PQ3TZ53U



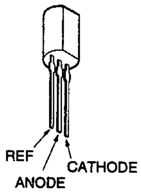
PQ30RV11



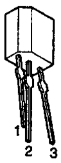
PQ30RV31



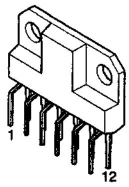
TA76431AS



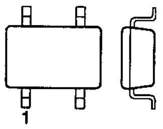
TA79L005P-TPE6



TA8200AH
TA8216H

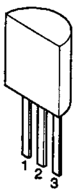


TC4S69F(TE85R)
TC7S08FU(TE85R)
TC7S66FU
TC7S66FU(TE85R)

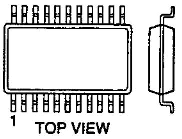


5pin CHIP

μPC1093J-1-T

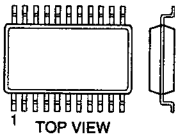


μPC1830GT-E2



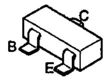
42pin SOP

μPC1862GS-E2

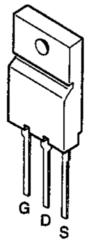


36pin SOP

DTA114EKA-T146
DTA124EKA-T146
DTA144EKA-T146
DTC114EK
DTC114EKA-T146
DTC114YKA-T146
DTC144EKA-T146
2SA1036K-R
2SA1036K-T-146-R
2SA1037AK-T146-QR
2SA1037AK-T146-R
2SA1037K-T-146-S
2SA1162-G
2SB624-BV345
2SB624T1-BV345
2SC1623-L5L6
2SC2412K-T-146-Q
2SC2412K-T-146-QR



FS7KM-16A
FS10KM-10
2SJ334
2SK2425
2SK3142-01
2SK3212-01



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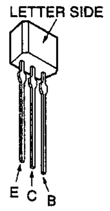
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E C B

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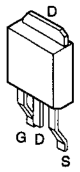

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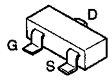

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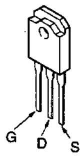
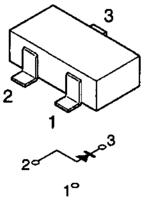
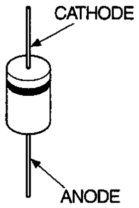


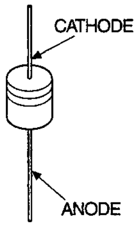
02CZ10-TE-85L
02CZ12-TE85L
MA3100-TX
RD5.6M-B2
RD5.6M-T1B2



05NH46
D1NL20U
D1NL20U-TA2
RD33EB3T
RD33ES-T1B2


CATHODE
ANODE

AU02A
AU02A-V0
D1N20R
D1N20R-TR
RD10ES-T1B2
RD10ESB2
RD36ES-T1B2
RD36ESB2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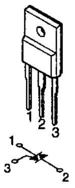
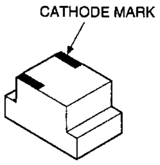
ANODE

BT139X-600



CL-170D-CD-T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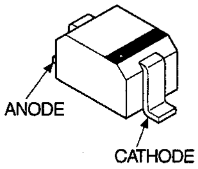
DTZ-TT11-3.3B
DTZ4.7C
MA111-(K8).S0
MA111-TX
RD12SB2
RD5.6SB
UDZ-TE-17-12B
UDZ-TE-17-3.9B
UDZ-TE-17-4.7B
UDZ-TE-17-5.6B
UDZ-TE-17-7.5B
1SS355TE-17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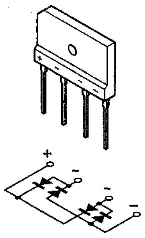
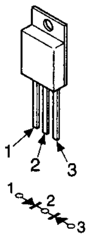
CATHODE

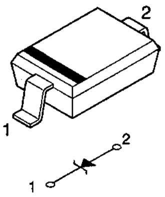
D25XB60



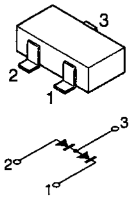
FCH20A10
FCH30A04
FCH30A06



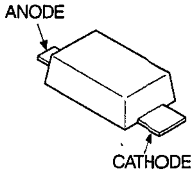
HRU0103ATRF
HZU22B2TRF
HZU30BTRF
HZU6.2BTRF
HZU7.5B2TRF



MA157-TX
1SS226



MA77
MA77-TX
MA8039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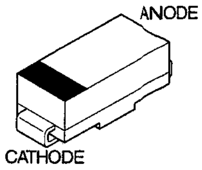
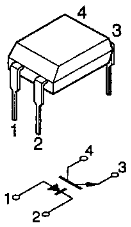
CATHODE

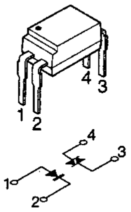
NSQ03A06-TE16L


ANODE
CATHODE

PC123F2
PC123FY2



S21MT2F



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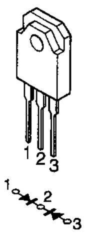
20FL2C41A
20JL2C41A



Section 6
Exploded Views

NOTE :

The components identified marked ⚠ are critical for safety.
Replace only with the part number specified.

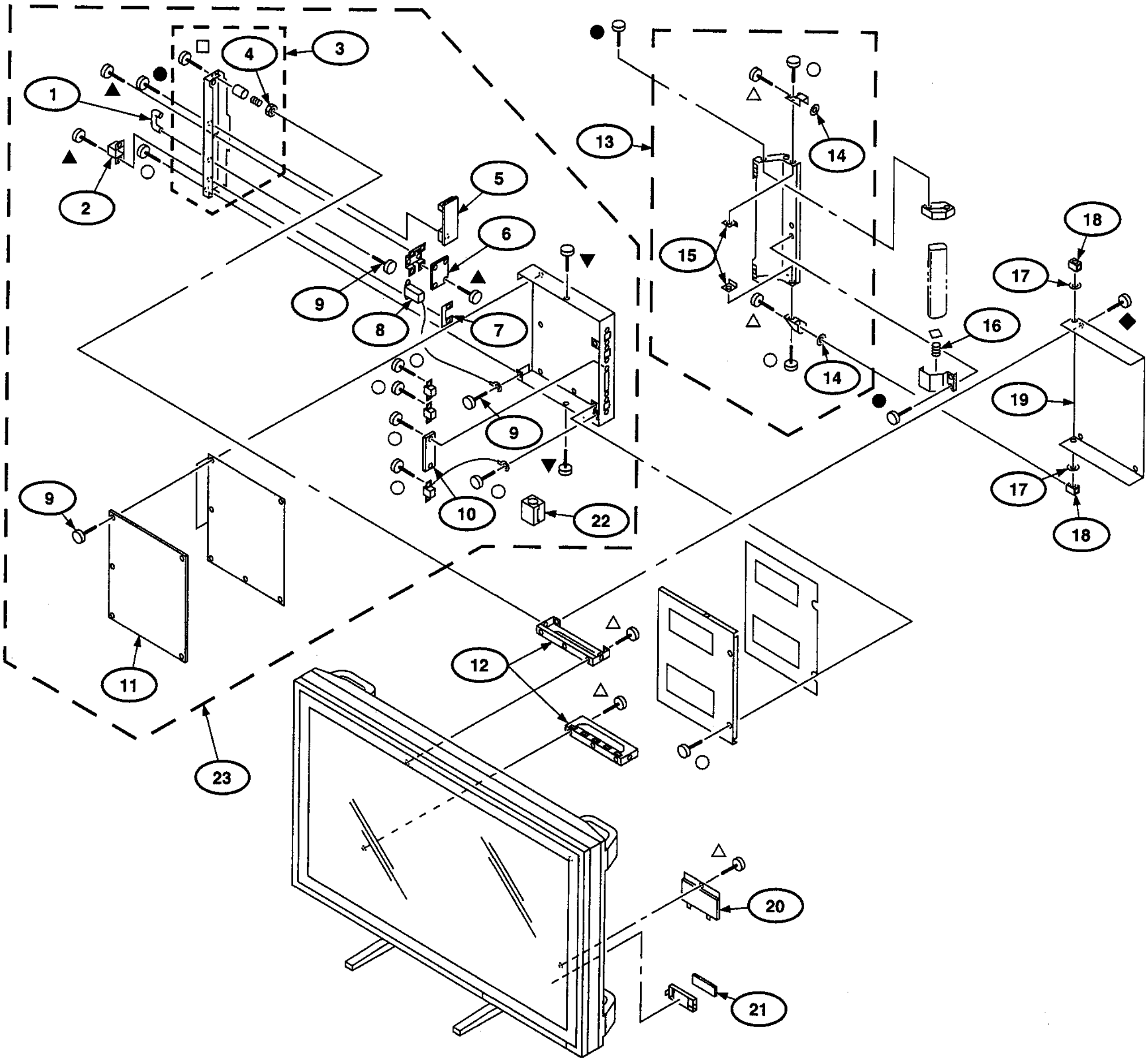
Les composants identifiés par la marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.

PFM-510A1WU/510A1WE

6-1. Power Block

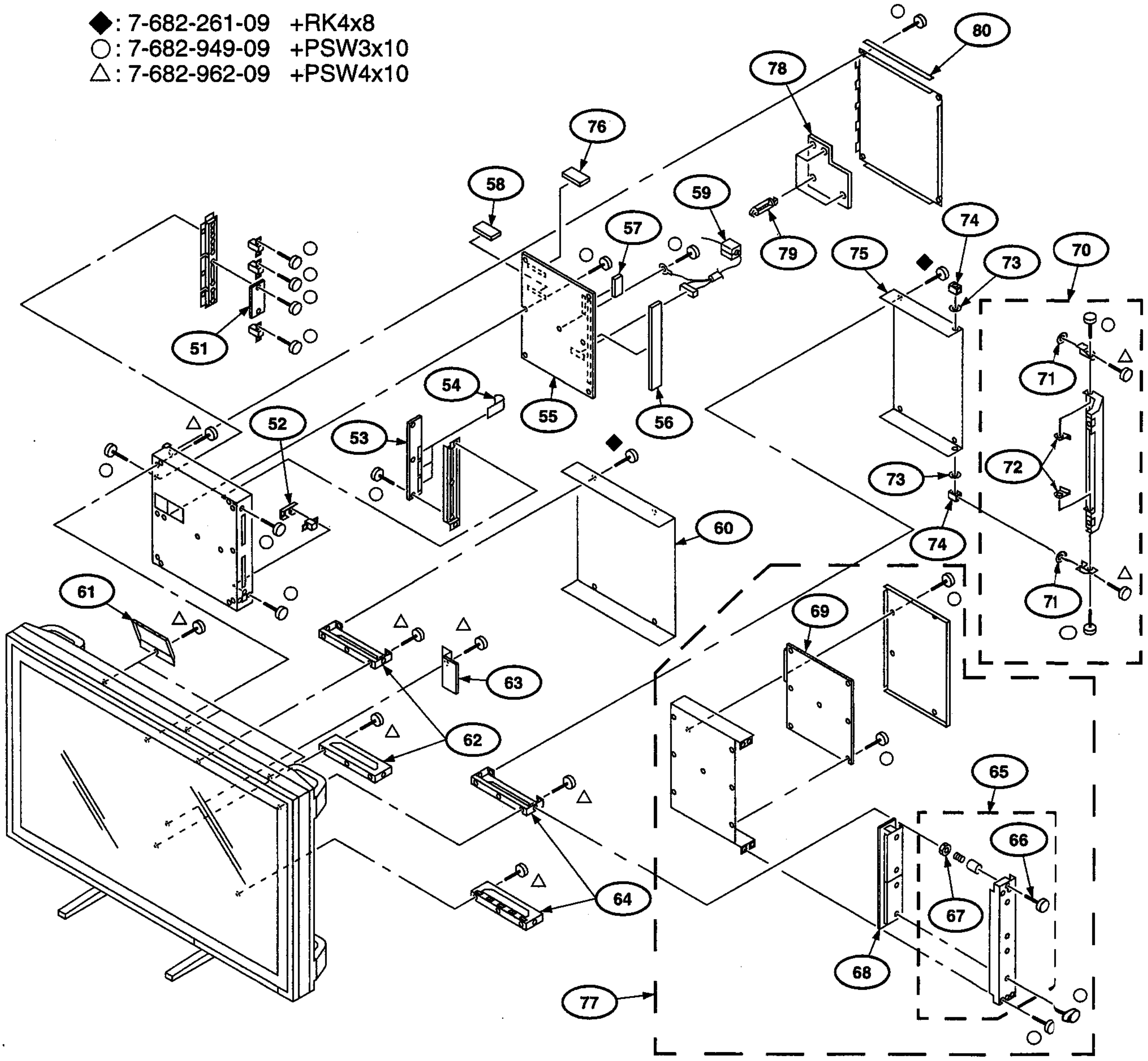
●: 7-685-648-79 +BVTP3x12
▲: 7-682-950-09 +PSW3x12
▼: 7-682-249-04 +K3x10
◆: 7-682-261-09 +RK4x8
○: 7-682-949-09 +PSW3x10
△: 7-682-962-09 +PSW4x10
□: 7-682-566-04 +B4x20



Ref.No.	Part No.	Description	Remark
1	4-052-200-01	HANDLE, PROTECTOR	
2	2-990-241-02	HOLDER (A), PLUG	
3	* X-4036-671-3	PANEL ASSY, POWER UNIT	4
4	* 3-648-057-00	NUT (ISO-4), U	
5	* A-1373-670-A	UA MOUNT	
6	* A-1294-154-A	AF MOUNT	
7	3-625-620-00	BRACKET, AC CONNECTOR	
8	⚠ 1-540-178-21	INLET, AC (GL-2100C-30)	
9	4-066-309-01	SCREW, MACHINE, (+) P M4X8	
10	* A-1311-825-A	G2 MOUNT	
11	* 1-468-447-11	SWITCHING REGULATOR (APS-132 M BOARD)	
12	* X-4035-835-2	BRACKET ASSY (A), REAR COVER	
13	* X-4035-827-1	COVER ASSY, SIDE	14,15
14	3-696-510-01	WASHER (3), STOPPER	
15	4-065-249-01	NUT, PLATE	
16	3-669-594-00	SPRING, COMPRESSION	
17	3-701-444-21	WASHER, 6	
18	4-065-239-01	NUT	
19	* X-4035-830-1	COVER (A) ASSY, REAR	
20	* 4-065-262-01	COVER, HAND HOLE	
21	* A-1372-453-A	H6 MOUNT	
22	1-543-653-11	CORE ASSY, BEAD (DIVISION TYPE)	
23	* A-1484-597-A	POWER BLOCK ASSY	1-11,22

6-2. SC and I/O Blocks

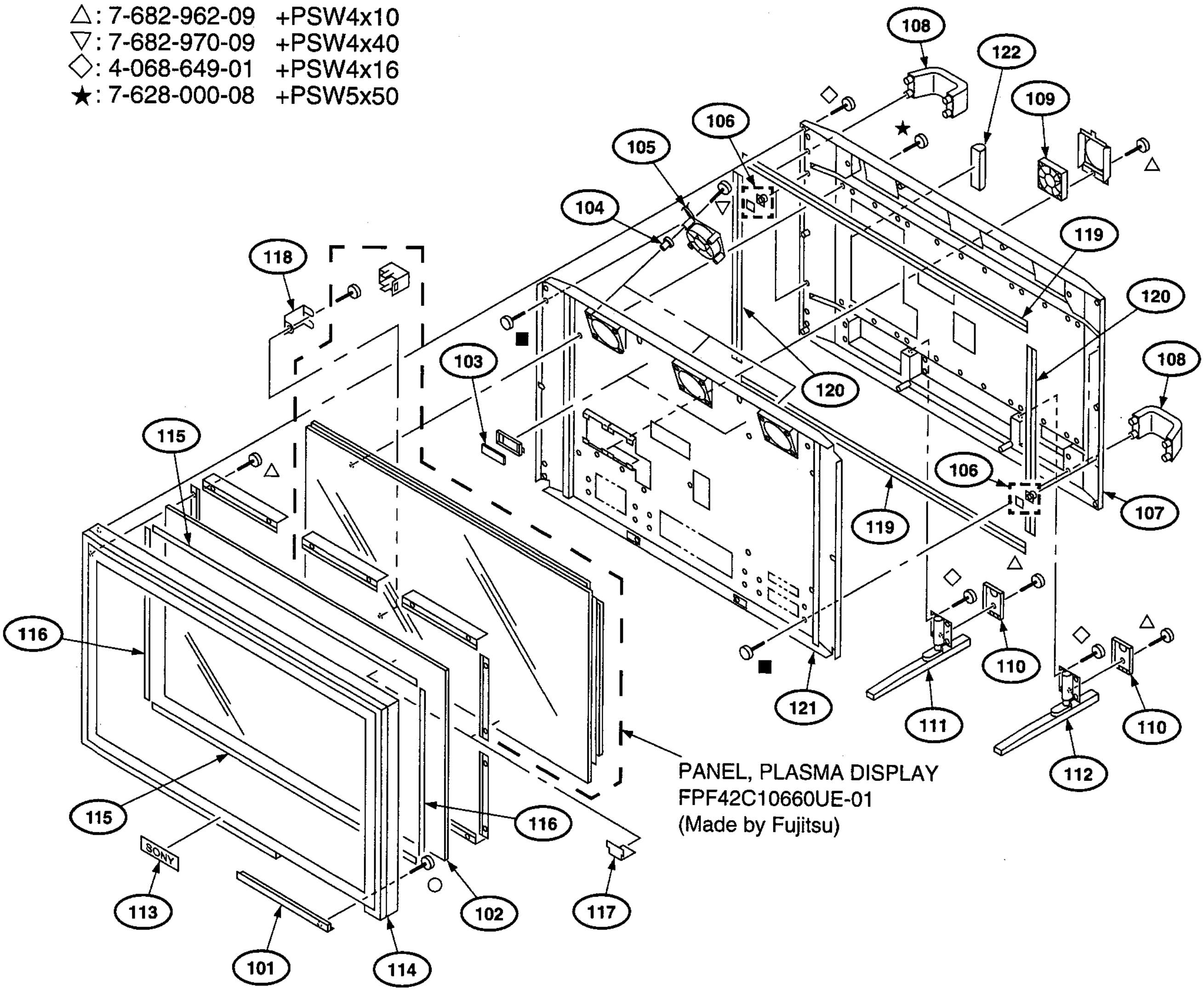
◆: 7-682-261-09 +RK4x8
○: 7-682-949-09 +PSW3x10
△: 7-682-962-09 +PSW4x10



Ref.No.	Part No.	Description	Remark
51	* A-1311-826-A	G1 MOUNT	
52	4-065-253-01	NUT (A), PLATE	
53	* A-1372-454-A	H5 MOUNT	
54	1-575-455-11	WIRE, FLAT TYPE (30 CORE)	
55	* A-1131-501-A	B MOUNT	
56	* A-1372-452-A	H2 MOUNT	
57	* A-1131-489-A	B1 MOUNT	
58	* A-1294-135-A	AI MOUNT	
59	1-500-037-11	CORE, FERRITE (WITH CASE)	
60	* 4-065-283-01	COVER (B), REAR	
61	* 4-067-117-01	COVER, FAN	
62	* X-4035-917-2	BRACKET ASSY (B), REAR COVER	
63	* A-1380-574-A	K MOUNT	
64	* X-4035-835-2	BRACKET ASSY (A), REAR COVER	
65	* X-4035-837-3	PANEL ASSY, I/O UNIT	66,67
66	* 4-050-804-01	SCREW, PANEL STOPPER	
67	* 3-648-057-00	NUT (ISO-4), U	
68	* A-1373-671-A	UJ MOUNT	
69	* A-1372-455-A	H1 MOUNT	
70	* X-4035-827-1	COVER ASSY, SIDE	71,72
71	3-696-510-01	WASHER (3), STOPPER	
72	4-065-249-01	NUT, PLATE	
73	3-701-444-21	WASHER, 6	
74	4-065-239-01	NUT	
75	* X-4035-830-1	COVER (A) ASSY, REAR	
76	* A-1373-737-A	YM MOUNT	
77	* A-1482-929-A	I/O BLOCK ASSY	65-69
78	* A-1131-502-A	BR MOUNT	
79	* 4-385-948-01	HOLDER, PRINTED CIRCUIT BOARD	
80	* 4-073-803-01	GASKET	

6-3. Cabinet Block

■: 7-682-973-49 +PSW5x16
○: 7-682-949-09 +PSW3x10
△: 7-682-962-09 +PSW4x10
▽: 7-682-970-09 +PSW4x40
◇: 4-068-649-01 +PSW4x16
★: 7-628-000-08 +PSW5x50


108
122
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121
111
110
112
115
116
SONY
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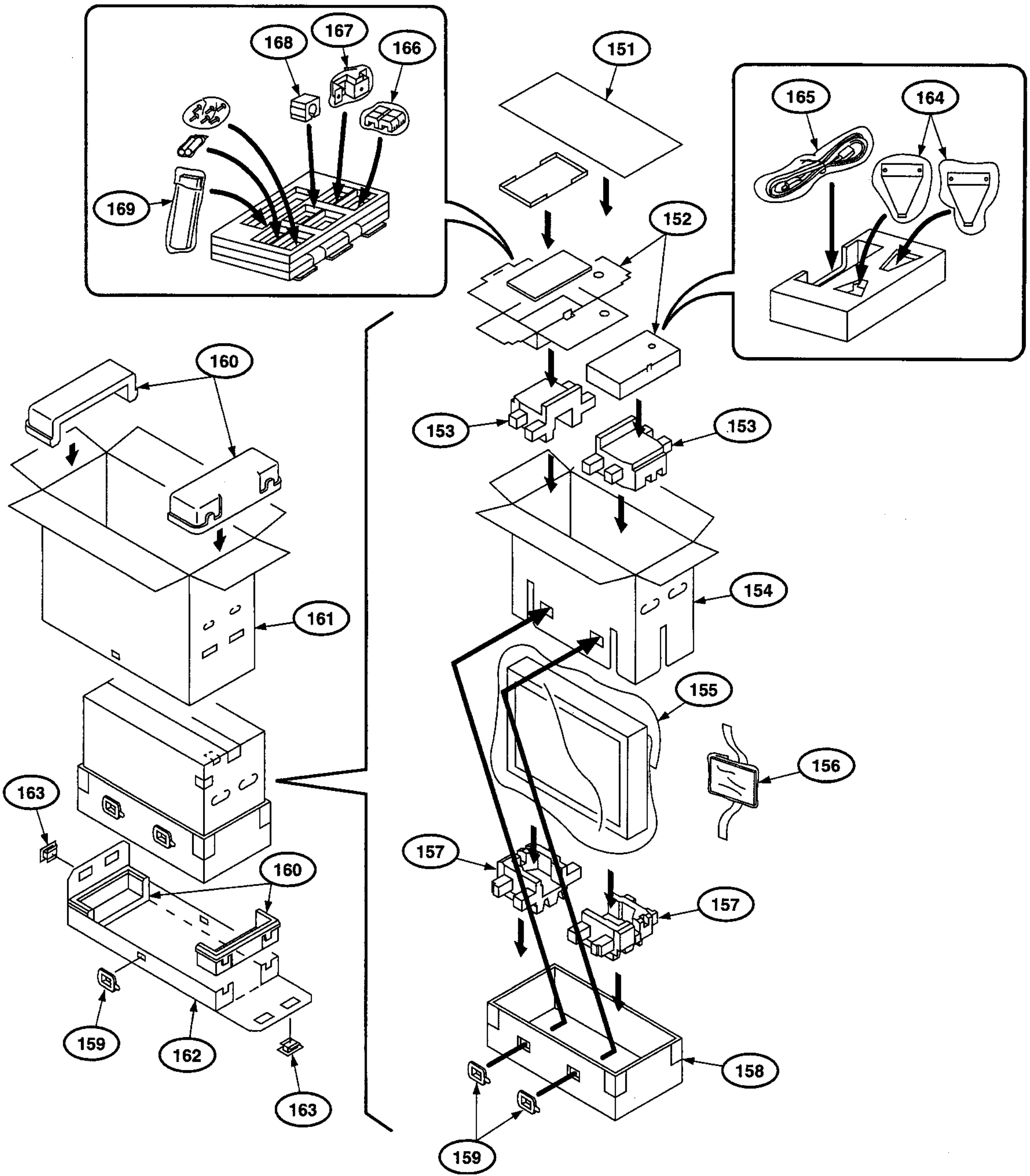
102
117
101
114

PANEL, PLASMA DISPLAY
FPF42C10660UE-01
(Made by Fujitsu)

Ref.No.	Part No.	Description	Remark
101	1-475-914-12	BOARD UNIT, KEY	
102	* 1-758-411-11	GLASS, OPTICAL FILTER	
103	* A-1390-878-A	S1 MOUNT	
104	4-062-616-01	BUSHING, RUBBER	
105	1-763-144-11	FAN, DC	
106	X-4035-885-1	NUT ASSY, PLATE	
107	* X-4037-115-1	CABINET ASSY, REAR	
108	* 4-070-197-01	HANDLE	
109	1-763-370-11	FAN, DC (WITH SENSOR)	
110	* 4-065-296-01	COVER, FOOT	
111	* X-4035-829-1	FOOT (L) ASSY	
112	* X-4035-828-1	FOOT (R) ASSY	
113	* X-4036-360-1	EMBLEM ASSY	
114	X-4035-913-2	BEZEL ASSY	
115	* 4-065-188-31	GASKET	
116	* 4-065-188-21	GASKET	
117	* 4-070-356-01	PLATE, PROTECTION	
118	* 4-070-357-01	PLATE, EARTH	
119	* 4-071-740-01	GASKET	
120	* 4-071-739-01	GASKET	
121	* X-4035-832-3	SHIELD ASSY, MAIN	
122	* 4-071-738-01	GASKET	

6-4. Packing Materials

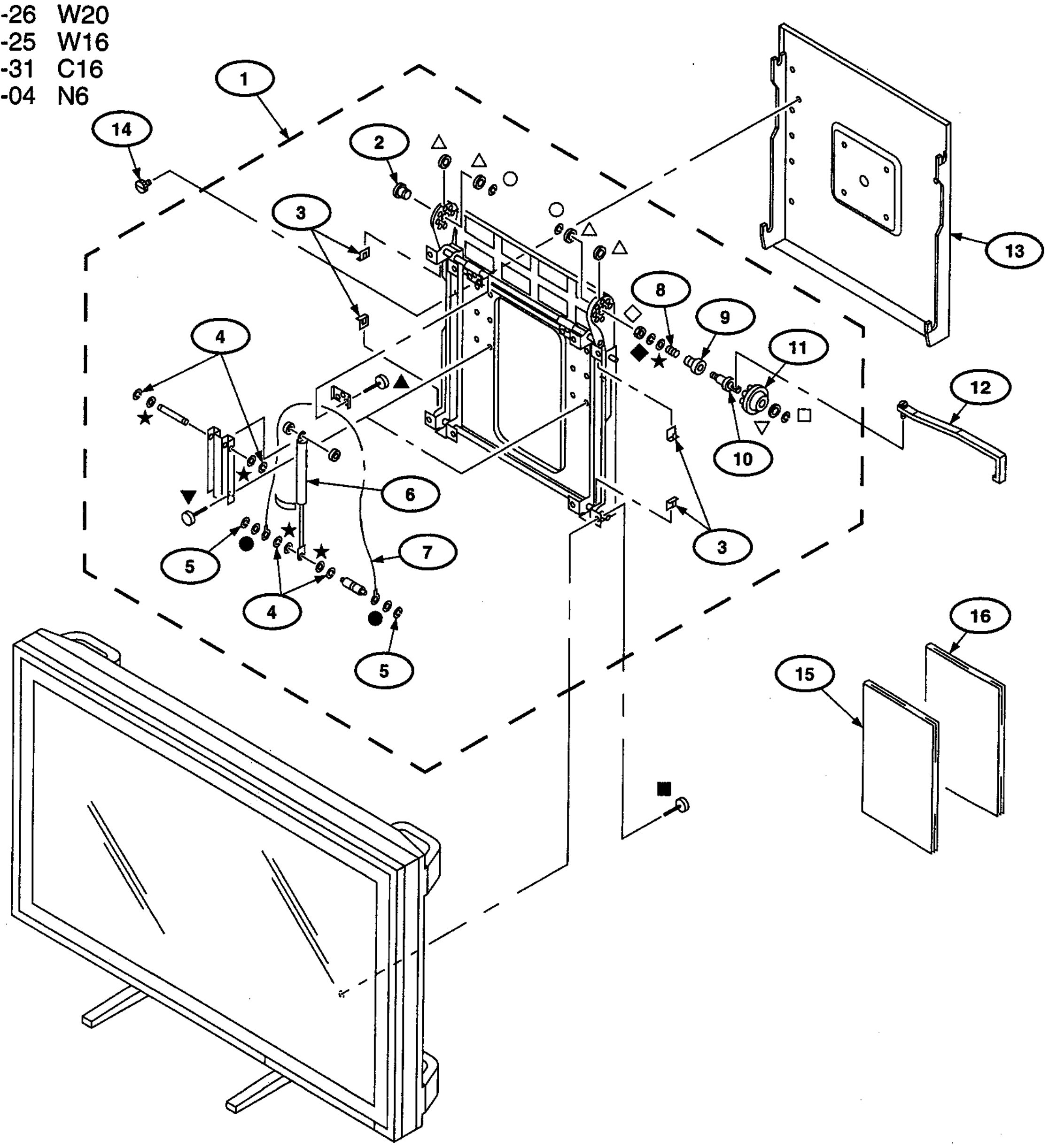


Ref.No.	Part No.	Description	Remark
151	* 4-066-055-01	BOARD, TOP	
152	* 4-069-139-01	BOX, ACCESSORY	
153	* 4-069-133-01	CUSHION (UPPER) (ASSY)	
154	* 4-070-492-02	INDIVIDUAL CARTON	
155	* 4-073-433-01	BAG, PROTECTION	
156	3-867-473-01	OPERATING INSTRUCTIONS (ENGLISH, FRENCH, GERMAN, SPANISH, ITALIAN, JAPANESE)	
157	* 4-069-134-01	CUSHION (LOWER) (ASSY)	
158	* 4-065-581-01	TRAY	
159	* 3-674-673-01	STOPPER (A)	
160	* 4-070-419-01	CUSHION (A)	
161	* 4-070-417-02	INDIVIDUAL CARTON (A)	
162	* 4-070-418-01	TRAY (A)	
163	* 4-396-077-01	JOINT	
164	* 4-072-155-01	REINFORCEMENT, FOOT	
165	⚠ 1-558-527-11	CORD, POWER (125V/13A) [510A1WU]	
165	⚠ 1-590-151-11	CORD SET, POWER (250V/10A) [510A1WE]	
166	1-543-653-11	CORE ASSY, BEAD (DIVISION TYPE)	
167	* 4-065-463-01	BRACKET, FOOT	
168	2-990-242-01	HOLDER (B), PLUG [510A1WU]	
168	* 3-613-640-01	HOLDER (C), PLUG [510A1WE]	
169	1-475-089-11	REMOTE COMMANDER (RM-921)	
	9-900-029-01	BATTERY COVER (FOR RM-921)	

MB-514

6-5. MB-514

●: 7-688-005-02 W5
▲: 7-682-948-09 +PSW3x8
▼: 7-682-961-09 +PSW4x8
■: 7-682-973-49 +PSW5x16
◆: 7-623-213-22 SW6
★: 7-688-006-12 W6
○: 7-624-197-71 C20
△: 7-688-000-26 W20
▽: 7-688-000-25 W16
□: 7-624-197-31 C16
◇: 7-684-026-04 N6



Ref.No.	Part No.	Description	Remark
1	* X-4035-976-1	BRACKET ASSY, MOUNTING	2-11
2	* 4-066-350-01	SHAFT (B), FIXED	
3	* 4-066-365-01	GUARD, EDGE	
4	3-618-078-00	RING, RETAINING, CE TYPE	
5	3-638-493-02	RING, RETAINING, CE	
6	* 4-066-363-01	DAMPER, GAS	
7	4-066-364-01	ROPE, WIRE	
8	* 4-066-351-01	SPRING, COMPRESSION	
9	* 4-066-349-02	SHAFT (A), FIXED	
10	* 4-066-362-01	PIN	
11	* 4-066-361-01	BRACKET, LOCK	
12	X-4035-975-1	HANDLE ASSY	
13	* X-4035-977-2	BRACKET ASSY, WALL	
14	4-066-358-02	KNOB	
15	3-864-657-03	OPERATING INSTRUCTIONS (ENGLISH, FRENCH, GERMAN, SPANISH, ITALIAN, JAPANESE)	
16	3-864-658-04	INSTALLATION MANUAL FOR DEALER (ENGLISH, JAPANESE)	

Section 7
Electrical Parts List

NOTE :

The components identified marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par la marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.

RESISTORS
- All resistors are in ohms.
- F: nonflammable
- METAL: Metal-film resistor
- METAL OXIDE: Metal oxide-film resistor

Ref.No.	Part No.	Description			Remark
	* A-1131-489-A	B1 MOUNT ***********			
	<CAPACITOR>				
C1001	1-126-933-11	ELECT	100µF	20%	16V
C1002	1-104-664-11	ELECT	47µF	20%	16V
C1003	1-163-229-11	CERAMIC CHIP	12pF	5%	50V
C1004	1-163-231-11	CERAMIC CHIP	15pF	5%	50V
C1005	1-164-489-11	CERAMIC CHIP	0.22µF	10%	16V
C1006	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C1007	1-104-664-11	ELECT	47µF	20%	16V
C1008	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C1009	1-104-664-11	ELECT	47µF	20%	16V
	<CONNECTOR>				
CN1001	1-774-551-11	CONNECTOR, BOARD TO BOARD 5P			
CN1002	1-774-551-11	CONNECTOR, BOARD TO BOARD 5P			
	<DELAY LINE>				
DL1001	1-402-770-11	DELAY LINE			
	<IC>				
IC1001	8-759-082-60	IC TC7S66FU			
	<TRANSISTOR>				
Q1001	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q1002	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q1003	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q1004	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q1005	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q1006	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q1007	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q1008	1-801-806-11	TRANSISTOR DTC144EKA-T146			
Q1009	1-801-806-11	TRANSISTOR DTC144EKA-T146			
	<RESISTOR>				
R1001	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R1002	1-216-681-11	METAL CHIP	18K	0.50%	1/10W
R1003	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R1004	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R1005	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R1006	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R1007	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R1008	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R1009	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W
R1010	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W
R1011	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R1012	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R1013	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R1014	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R1015	1-216-649-11	METAL CHIP	820	0.50%	1/10W
R1016	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R1017	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R1018	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R1019	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R1020	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R1021	1-216-681-11	METAL CHIP	18K	0.50%	1/10W
R1022	1-216-671-11	METAL CHIP	6.8K	0.50%	1/10W
R1023	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R1024	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R1025	1-216-683-11	METAL CHIP	22K	0.50%	1/10W
R1026	1-216-683-11	METAL CHIP	22K	0.50%	1/10W

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Ref.No.	Part No.	Description			Remark
	* A-1131-501-A	B MOUNT *********			
	* 1-251-596-11	SOCKET, IC (QFP) 64P			
	* 1-526-652-21	SOCKET, IC (DP) 8P			
	4-623-699-01	SCREW (3X5)			
	<CAPACITOR>				
C1	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C2	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C4	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C5	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C6	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V

B

Ref.No.	Part No.	Description			Remark
C7	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C9	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C10	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C11	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C12	1-163-141-00	CERAMIC CHIP	0.001μF	5%	50V
C13	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C14	1-163-231-11	CERAMIC CHIP	15pF	5%	50V
C15	1-163-231-11	CERAMIC CHIP	15pF	5%	50V
C16	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C17	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C18	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C19	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C20	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C21	1-135-216-11	TANTAL. CHIP	10μF	20%	10V
C22	1-135-216-11	TANTAL. CHIP	10μF	20%	10V
C23	1-163-237-11	CERAMIC CHIP	27pF	5%	50V
C25	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C26	1-135-216-11	TANTAL. CHIP	10μF	20%	10V
C29	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C31	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C37	1-164-161-11	CERAMIC CHIP	0.0022μF	10%	50V
C100	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C101	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C102	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C103	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C104	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C105	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C106	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C107	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C108	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C109	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C110	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C111	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C112	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C113	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C140	1-135-216-11	TANTAL. CHIP	10μF	20%	10V
C141	1-135-216-11	TANTAL. CHIP	10μF	20%	10V
C142	1-135-216-11	TANTAL. CHIP	10μF	20%	10V
C150	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C151	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C152	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C153	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C154	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C155	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C156	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C157	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C158	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C159	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C160	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C161	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C162	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C163	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C190	1-135-216-11	TANTAL. CHIP	10μF	20%	10V
C191	1-135-216-11	TANTAL. CHIP	10μF	20%	10V
C192	1-135-216-11	TANTAL. CHIP	10μF	20%	10V
C199	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C200	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C201	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C202	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C203	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C204	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C205	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C206	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C207	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C208	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C209	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C210	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C211	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C212	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C213	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C240	1-135-216-11	TANTAL. CHIP	10μF	20%	10V
C241	1-135-216-11	TANTAL. CHIP	10μF	20%	10V
C242	1-135-216-11	TANTAL. CHIP	10μF	20%	10V
C248	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C249	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C250	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C251	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C252	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C253	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C254	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C255	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C256	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C257	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C259	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C260	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C261	1-126-964-11	ELECT	10μF	20%	50V
C301	1-163-229-11	CERAMIC CHIP	12pF	5%	50V
C302	1-163-089-00	CERAMIC CHIP	6pF	0.5pF	50V
C317	1-107-701-11	ELECT	47μF	20%	16V
C318	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C319	1-107-701-11	ELECT	47μF	20%	16V
C320	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C321	1-107-701-11	ELECT	47μF	20%	16V
C322	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C329	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C330	1-163-239-11	CERAMIC CHIP	33pF	5%	50V
C331	1-163-139-00	CERAMIC CHIP	820pF	5%	50V
C332	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C333	1-163-127-00	CERAMIC CHIP	270pF	5%	50V
C335	1-126-960-11	ELECT	1μF	20%	50V
C336	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C337	1-109-889-11	ELECT	1μF	20%	50V
C338	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C339	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C340	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C341	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C342	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C343	1-104-664-11	ELECT	47μF	20%	16V
C344	1-104-664-11	ELECT	47μF	20%	16V
C345	1-104-664-11	ELECT	47μF	20%	16V
C346	1-126-960-11	ELECT	1μF	20%	50V
C347	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C348	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C349	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C350	1-163-017-00	CERAMIC CHIP	0.0047μF	10%	50V
C351	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C352	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C353	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C354	1-164-489-11	CERAMIC CHIP	0.22μF	10%	16V
C355	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V

Ref.No.	Part No.	Description			Remark
C356	1-126-934-11	ELECT	220µF	20%	16V
C357	1-126-960-11	ELECT	1µF	20%	50V
C358	1-163-275-11	CERAMIC CHIP	0.001µF	5%	50V
C359	1-126-963-11	ELECT	4.7µF	20%	50V
C361	1-163-227-11	CERAMIC CHIP	10pF	0.5pF	50V
C362	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C363	1-126-956-91	ELECT	0.1µF	20%	50V
C365	1-163-227-11	CERAMIC CHIP	10pF	0.5pF	50V
C366	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C367	1-164-489-11	CERAMIC CHIP	0.22µF	10%	16V
C371	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C372	1-126-965-11	ELECT	22µF	20%	50V
C373	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C374	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C375	1-126-934-11	ELECT	220µF	20%	10V
C381	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C382	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C383	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C384	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C385	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C386	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C387	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C388	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C389	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C390	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C391	1-125-838-91	CERAMIC CHIP	2.2µF	10%	6.3V
C392	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C394	1-164-489-11	CERAMIC CHIP	0.22µF	10%	16V
C397	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C398	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C399	1-125-838-91	CERAMIC CHIP	2.2µF	10%	6.3V
C401	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C402	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C403	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C404	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C405	1-135-216-11	TANTAL. CHIP	10µF	20%	10V
C406	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C501	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C502	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C503	1-126-933-11	ELECT	100µF	20%	16V
C504	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C505	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C506	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C507	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C508	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C509	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C510	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C511	1-126-933-11	ELECT	100µF	20%	16V
C512	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C513	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C514	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C515	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C516	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C517	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C518	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C520	1-126-933-11	ELECT	100µF	20%	16V
C521	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C522	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C523	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C524	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C525	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C526	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C527	1-126-934-11	ELECT	220µF	20%	16V
C528	1-126-933-11	ELECT	100µF	20%	16V
C530	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C531	1-104-664-11	ELECT	47µF	20%	25V
C532	1-104-664-11	ELECT	47µF	20%	25V
C533	1-126-960-11	ELECT	1µF	20%	50V
C534	1-164-344-11	CERAMIC CHIP	0.068µF	10%	25V
C535	1-126-964-11	ELECT	10µF	20%	50V
C536	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C538	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C539	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C540	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C541	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C542	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C543	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C544	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C545	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C546	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C547	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C549	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C550	1-126-934-11	ELECT	220µF	20%	16V
C551	1-163-121-00	CERAMIC CHIP	150pF	5%	50V
C552	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C553	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C554	1-163-245-11	CERAMIC CHIP	56pF	5%	50V
C556	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C557	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C558	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C559	1-104-664-11	ELECT	47µF	20%	25V
C560	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C561	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C562	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C563	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C564	1-163-275-11	CERAMIC CHIP	0.001µF	5%	50V
C565	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C566	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C567	1-163-253-11	CERAMIC CHIP	120pF	5%	50V
C568	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C569	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C570	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C571	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C573	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C574	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C575	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C580	1-126-934-11	ELECT	220µF	20%	16V
C581	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C590	1-163-243-11	CERAMIC CHIP	47pF	5%	50V
C591	1-104-664-11	ELECT	47µF	20%	16V
C592	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C593	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C594	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
C595	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C596	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C597	1-164-346-11	CERAMIC CHIP	1µF		16V
C598	1-163-023-00	CERAMIC CHIP	0.015µF	10%	50V
C600	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C601	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C602	1-104-664-11	ELECT	47µF	20%	25V

B

Ref.No.	Part No.	Description			Remark
C603	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C604	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C605	1-104-664-11	ELECT	47μF	20%	25V
C606	1-104-664-11	ELECT	47μF	20%	25V
C607	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C608	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C609	1-104-664-11	ELECT	47μF	20%	16V
C610	1-126-934-11	ELECT	220μF	20%	10V
C611	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C612	1-104-664-11	ELECT	47μF	20%	16V
C613	1-104-664-11	ELECT	47μF	20%	16V
C614	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C615	1-107-716-11	ELECT	33μF	20%	16V
C616	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C618	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C619	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C620	1-104-664-11	ELECT	47μF	20%	16V
C701	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C702	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C703	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C704	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C705	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C706	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C707	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C708	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C709	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C710	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C711	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C712	1-126-933-11	ELECT	100μF	20%	16V
C713	1-126-933-11	ELECT	100μF	20%	16V
C714	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C715	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C716	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C717	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C718	1-126-934-11	ELECT	220μF	20%	16V
C719	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C720	1-104-664-11	ELECT	47μF	20%	16V
C721	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C722	1-104-664-11	ELECT	47μF	20%	16V
C728	1-104-653-11	ELECT	220μF	20%	16V
C729	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C730	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C731	1-126-934-11	ELECT	220μF	20%	16V
C732	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C733	1-126-934-11	ELECT	220μF	20%	16V
C734	1-104-664-11	ELECT	47μF	20%	16V
C735	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C736	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C737	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C738	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C740	1-164-161-11	CERAMIC CHIP	0.0022μF	10%	50V
C741	1-163-017-00	CERAMIC CHIP	0.0047μF	10%	50V
C742	1-163-009-11	CERAMIC CHIP	0.001μF	10%	50V
C743	1-164-346-11	CERAMIC CHIP	1μF		16V
C744	1-163-023-00	CERAMIC CHIP	0.015μF	10%	50V
C750	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C751	1-104-664-11	ELECT	47μF	20%	16V
C752	1-163-809-11	CERAMIC CHIP	0.047μF	10%	25V
C753	1-163-809-11	CERAMIC CHIP	0.047μF	10%	25V
C755	1-163-131-00	CERAMIC CHIP	390pF	10%	50V
C756	1-163-809-11	CERAMIC CHIP	0.047μF	10%	25V
C757	1-126-964-11	ELECT	10μF	20%	50V
C758	1-163-809-11	CERAMIC CHIP	0.047μF	10%	25V
C759	1-164-344-11	CERAMIC CHIP	0.068μF	10%	25V
C760	1-163-809-11	CERAMIC CHIP	0.047μF	10%	25V
C761	1-163-017-00	CERAMIC CHIP	0.0047μF	10%	50V
C762	1-126-960-11	ELECT	1μF	20%	50V
C764	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C765	1-126-934-11	ELECT	220μF	20%	16V
C781	1-163-009-11	CERAMIC CHIP	0.001μF	10%	50V
C803	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C804	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C805	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C806	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C807	1-126-934-11	ELECT	220μF	20%	10V
C808	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C809	1-126-934-11	ELECT	220μF	20%	10V
C810	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C811	1-126-934-11	ELECT	220μF	20%	10V
C812	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C813	1-126-934-11	ELECT	220μF	20%	16V
C814	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C815	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C816	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C817	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C818	1-126-934-11	ELECT	220μF	20%	16V
C819	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C820	1-126-934-11	ELECT	220μF	20%	16V
C821	1-126-934-11	ELECT	220μF	20%	16V
C822	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C823	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C824	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C825	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C826	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C827	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C828	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C829	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C830	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C831	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C832	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C833	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C834	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C835	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C836	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C837	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1001	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1002	1-104-664-11	ELECT	47μF	20%	16V
C1003	1-104-664-11	ELECT	47μF	20%	16V
C1004	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1005	1-104-664-11	ELECT	47μF	20%	16V
C1006	1-163-231-11	CERAMIC CHIP	15pF	5%	50V
C1007	1-163-243-11	CERAMIC CHIP	47pF	5%	50V
C1008	1-163-253-11	CERAMIC CHIP	120pF	5%	50V
C1009	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C1010	1-126-964-11	ELECT	10μF	20%	50V
C1011	1-107-698-11	ELECT	10μF	20%	25V
C1012	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1013	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1014	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1015	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V

Ref.No.	Part No.	Description			Remark
C1016	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1017	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1018	1-104-665-11	ELECT	100μF	20%	10V
C1019	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1020	1-104-664-11	ELECT	47μF	20%	16V
C1021	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1023	1-104-664-11	ELECT	47μF	20%	16V
C1024	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1025	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1026	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1027	1-164-346-11	CERAMIC CHIP	1μF		16V
C1028	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1029	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1030	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1031	1-104-664-11	ELECT	47μF	20%	16V
C1032	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1033	1-104-664-11	ELECT	47μF	20%	16V
C1034	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1035	1-163-009-11	CERAMIC CHIP	0.001μF	10%	50V
C1036	1-104-664-11	ELECT	47μF	20%	16V
C1037	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1038	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C1039	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C1040	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1041	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1042	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1043	1-104-664-11	ELECT	47μF	20%	16V
C1044	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C1045	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1046	1-104-664-11	ELECT	47μF	20%	16V
C1047	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1048	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C1049	1-126-933-11	ELECT	100μF	20%	16V
C1050	1-163-091-00	CERAMIC CHIP	8pF	0.25pF	50V
C1051	1-104-664-11	ELECT	47μF	20%	16V
C1052	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1053	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1054	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1055	1-104-664-11	ELECT	47μF	20%	16V
C1056	1-126-933-11	ELECT	100μF	20%	16V
C1057	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1058	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1059	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C1060	1-164-346-11	CERAMIC CHIP	1μF		16V
C1061	1-126-960-11	ELECT	1μF	20%	50V
C1062	1-104-664-11	ELECT	47μF	20%	16V
C1063	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1064	1-163-241-11	CERAMIC CHIP	39pF	5%	50V
C1065	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C1066	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1067	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1068	1-104-664-11	ELECT	47μF	20%	16V
C1069	1-104-664-11	ELECT	47μF	20%	16V
C1070	1-163-231-11	CERAMIC CHIP	15pF	5%	50V
C1071	1-163-243-11	CERAMIC CHIP	47pF	5%	50V
C1072	1-126-964-11	ELECT	10μF	20%	50V
C1073	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C1074	1-163-231-11	CERAMIC CHIP	15pF	5%	50V
C1075	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1076	1-126-964-11	ELECT	10μF	20%	50V

Ref.No.	Part No.	Description			Remark
C1077	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1078	1-126-961-11	ELECT	2.2μF	20%	50V
C1079	1-126-960-11	ELECT	1μF	20%	50V
C1080	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1081	1-104-664-11	ELECT	47μF	20%	16V
C1082	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C1083	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C1084	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C1085	1-126-959-11	ELECT	0.47μF	20%	50V
C1086	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1087	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1088	1-126-963-11	ELECT	4.7μF	20%	50V
C1090	1-163-227-11	CERAMIC CHIP	10pF	0.5pF	50V
C1091	1-163-227-11	CERAMIC CHIP	10pF	0.5pF	50V
C1092	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1093	1-104-664-11	ELECT	47μF	20%	16V
C1094	1-163-243-11	CERAMIC CHIP	47pF	5%	50V
C1095	1-163-113-00	CERAMIC CHIP	68pF	5%	50V
C1096	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1097	1-104-664-11	ELECT	47μF	20%	16V
C1098	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1099	1-104-664-11	ELECT	47μF	20%	16V
C1100	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1101	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C1102	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C1103	1-163-259-91	CERAMIC CHIP	220pF	5%	50V
C1104	1-163-145-00	CERAMIC CHIP	0.0015μF	5%	50V
C1105	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C1106	1-126-963-11	ELECT	4.7μF	20%	50V
C1107	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1108	1-104-664-11	ELECT	47μF	20%	16V
C1109	1-163-275-11	CERAMIC CHIP	0.001μF	5%	50V
C1110	1-164-690-91	CERAMIC CHIP	0.0022μF	5%	50V
C1111	1-164-690-91	CERAMIC CHIP	0.0022μF	5%	50V
C1150	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1151	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1152	1-107-716-11	ELECT	33μF	20%	16V
C1153	1-104-664-11	ELECT	47μF	20%	16V
C1154	1-126-934-11	ELECT	220μF	20%	16V
C1155	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C1156	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
	<CONNECTOR>				
CN1	1-774-532-11	CONNECTOR, BOARD TO BOARD 15P			
CN2	1-774-531-11	CONNECTOR, BOARD TO BOARD 10P			
CN3	1-506-469-11	PIN, CONNECTOR 4P			
CN4	* 1-564-005-11	PIN, CONNECTOR 6P			
CN6	1-506-476-11	PIN, CONNECTOR 11P			
CN8	1-506-469-11	PIN, CONNECTOR 4P			
CN9	1-506-480-11	PIN, CONNECTOR 15P			
CN10	1-774-530-11	CONNECTOR, BOARD TO BOARD 5P			
CN11	1-774-530-11	CONNECTOR, BOARD TO BOARD 5P			
CN12	1-774-532-11	CONNECTOR, BOARD TO BOARD 15P			
CN13	1-774-532-11	CONNECTOR, BOARD TO BOARD 15P			
CN14	1-774-532-11	CONNECTOR, BOARD TO BOARD 15P			
CN15	* 1-793-268-11	HEADER, CONNECTOR(PC BOARD) 80			
CN16	1-774-531-11	CONNECTOR, BOARD TO BOARD 10P			
CN17	1-774-531-11	CONNECTOR, BOARD TO BOARD 10P			
CN18	1-774-531-11	CONNECTOR, BOARD TO BOARD 10P			

B

Ref.No.	Part No.	Description	Remark
CN19	1-774-531-11	CONNECTOR, BOARD TO BOARD 10P	
CN20	1-506-469-11	PIN, CONNECTOR 4P	
CN21	*1-564-009-11	PIN, CONNECTOR 10P	
	<DIODE>		
D1	8-719-033-86	DIODE CL-170D-CD-T	
D16	8-719-158-49	DIODE RD12SB2	
D19	8-719-158-49	DIODE RD12SB2	
D20	8-719-158-49	DIODE RD12SB2	
D21	8-719-158-49	DIODE RD12SB2	
D22	8-719-158-49	DIODE RD12SB2	
D23	8-719-158-49	DIODE RD12SB2	
D24	8-719-158-49	DIODE RD12SB2	
D203	8-719-073-01	DIODE MA111-(K8).S0	
D204	8-719-073-01	DIODE MA111-(K8).S0	
D205	8-719-073-01	DIODE MA111-(K8).S0	
D322	8-719-800-76	DIODE 1SS226	
D324	8-719-800-76	DIODE 1SS226	
D326	8-719-800-76	DIODE 1SS226	
D331	8-719-073-01	DIODE MA111-(K8).S0	
D332	8-719-800-76	DIODE 1SS226	
D334	8-719-800-76	DIODE 1SS226	
D336	8-719-800-76	DIODE 1SS226	
D341	8-719-073-01	DIODE MA111-(K8).S0	
D501	8-719-421-40	DIODE MA77	
D502	8-719-421-40	DIODE MA77	
D503	8-719-421-40	DIODE MA77	
D504	8-719-421-40	DIODE MA77	
D505	8-719-421-40	DIODE MA77	
D506	8-719-421-40	DIODE MA77	
D508	8-719-800-76	DIODE 1SS226	
D510	8-719-800-76	DIODE 1SS226	
D512	8-719-800-76	DIODE 1SS226	
D514	8-719-800-76	DIODE 1SS226	
D516	8-719-800-76	DIODE 1SS226	
D518	8-719-800-76	DIODE 1SS226	
D520	8-719-421-40	DIODE MA77	
D521	8-719-421-40	DIODE MA77	
D522	8-719-421-40	DIODE MA77	
D523	8-719-421-40	DIODE MA77	
D524	8-719-421-40	DIODE MA77	
D526	8-719-800-76	DIODE 1SS226	
D528	8-719-800-76	DIODE 1SS226	
D530	8-719-800-76	DIODE 1SS226	
D532	8-719-800-76	DIODE 1SS226	
D534	8-719-800-76	DIODE 1SS226	
D536	8-719-800-76	DIODE 1SS226	
D537	8-719-421-40	DIODE MA77	
D538	8-719-421-40	DIODE MA77	
D539	8-719-421-40	DIODE MA77	
D540	8-719-421-40	DIODE MA77	
D541	8-719-421-40	DIODE MA77	
D542	8-719-421-40	DIODE MA77	
D544	8-719-800-76	DIODE 1SS226	
D546	8-719-800-76	DIODE 1SS226	
D548	8-719-800-76	DIODE 1SS226	
D550	8-719-800-76	DIODE 1SS226	
D552	8-719-800-76	DIODE 1SS226	
D554	8-719-800-76	DIODE 1SS226	
D555	8-719-421-40	DIODE MA77	

Ref.No.	Part No.	Description	Remark
D701	8-719-073-01	DIODE MA111-(K8).S0	
D777	8-719-158-49	DIODE RD12SB2	
D778	8-719-158-49	DIODE RD12SB2	
D1001	8-719-988-61	DIODE 1SS355TE-17	
D1002	8-719-988-61	DIODE 1SS355TE-17	
	<FERRITE BEAD>		
FB1	1-414-234-22	INDUCTOR CHIP	
FB2	1-414-234-22	INDUCTOR CHIP	
FB3	1-414-234-22	INDUCTOR CHIP	
FB4	1-414-234-22	INDUCTOR CHIP	
FB5	1-414-234-22	INDUCTOR CHIP	
FB6	1-414-234-22	INDUCTOR CHIP	
FB16	1-414-234-22	INDUCTOR CHIP	
FB17	1-414-234-22	INDUCTOR CHIP	
FB18	1-414-234-22	INDUCTOR CHIP	
FB19	1-414-234-22	INDUCTOR CHIP	
	<FILTER>		
FL501	1-234-359-11	FILTER, LOW PASS	
FL502	1-234-358-11	FILTER, LOW PASS	
FL503	1-233-584-11	FILTER, LOW PASS	
FL504	1-234-144-11	FILTER, LOW PASS	
FL505	1-233-582-11	FILTER, LOW PASS	
FL506	1-233-581-11	FILTER, LOW PASS	
FL507	1-234-359-11	FILTER, LOW PASS	
FL508	1-234-358-11	FILTER, LOW PASS	
FL509	1-233-584-11	FILTER, LOW PASS	
FL510	1-234-144-11	FILTER, LOW PASS	
FL511	1-233-582-11	FILTER, LOW PASS	
FL512	1-233-581-11	FILTER, LOW PASS	
FL513	1-234-359-11	FILTER, LOW PASS	
FL514	1-234-358-11	FILTER, LOW PASS	
FL515	1-233-584-11	FILTER, LOW PASS	
FL516	1-234-144-11	FILTER, LOW PASS	
FL517	1-233-582-11	FILTER, LOW PASS	
FL518	1-233-581-11	FILTER, LOW PASS	
FL1001	1-239-384-11	FILTER, EMI	
FL1002	1-543-775-11	FERRITE	
FL1003	1-543-775-11	FERRITE	
FL1007	1-414-234-22	INDUCTOR CHIP	
FL1008	1-414-234-22	INDUCTOR CHIP	
FL1009	1-543-775-11	FERRITE	
FL1010	1-543-775-11	FERRITE	
FL1011	1-543-775-11	FERRITE	
FL1012	1-239-847-11	FILTER, LOW PASS	
FL1013	1-239-384-11	FILTER, EMI	
FL1014	1-239-384-11	FILTER, EMI	
FL1015	1-239-847-11	FILTER, LOW PASS	
FL1016	1-239-847-11	FILTER, LOW PASS	
FL1017	1-543-775-11	FERRITE	
	<IC>		
IC100	8-759-175-27	IC TC74VHC574F	
IC101	8-759-575-40	IC M66258FP-E2	
IC102	8-759-575-40	IC M66258FP-E2	
IC103	8-759-179-94	IC HM530281-20	
IC104	8-759-179-94	IC HM530281-20	

Ref.No.	Part No.	Description	Remark
IC105	8-759-179-94	IC HM530281-20	
IC106	8-759-179-94	IC HM530281-20	
IC107	8-752-375-92	IC CXD303-105Q	
IC108	8-759-175-27	IC TC74VHC574F	
IC150	8-759-175-27	IC TC74VHC574F	
IC151	8-759-575-40	IC M66258FP-E2	
IC152	8-759-575-40	IC M66258FP-E2	
IC153	8-759-179-94	IC HM530281-20	
IC154	8-759-179-94	IC HM530281-20	
IC155	8-759-179-94	IC HM530281-20	
IC156	8-759-179-94	IC HM530281-20	
IC157	8-752-375-92	IC CXD303-105Q	
IC158	8-759-175-27	IC TC74VHC574F	
IC200	8-759-175-27	IC TC74VHC574F	
IC201	8-759-575-40	IC M66258FP-E2	
IC202	8-759-575-40	IC M66258FP-E2	
IC203	8-759-179-94	IC HM530281-20	
IC204	8-759-179-94	IC HM530281-20	
IC205	8-759-179-94	IC HM530281-20	
IC206	8-759-179-94	IC HM530281-20	
IC207	8-752-375-92	IC CXD303-105Q	
IC208	8-759-175-27	IC TC74VHC574F	
IC250	8-752-377-98	IC CXD305-114Q	
IC251	8-759-595-54	IC MSM27C802CZ-HD1GS-KDR1	
IC252	8-759-595-55	IC HD6473257F10-HDPFM1	
IC253	8-759-162-80	IC MM1170BFB	
IC254	8-759-080-93	IC M6M80041FP	
IC255	8-759-080-93	IC M6M80041FP	
IC256	8-759-080-93	IC M6M80041FP	
IC258	8-759-252-59	IC MAX202CSE	
IC259	8-759-926-48	IC SN74HC244ANS	
IC260	8-759-926-48	IC SN74HC244ANS	
IC261	8-759-926-48	IC SN74HC244ANS	
IC262	8-759-926-48	IC SN74HC244ANS	
IC263	8-759-925-76	IC SN74HC08ANS	
IC264	8-759-362-35	IC ICS9161A-01CW16T	
IC265	8-759-364-08	IC KS6369-20AP	
IC266	8-759-032-32	IC MC74HC132AF	
IC267	8-759-373-60	IC SN74ABT540NS-E05	
IC268	8-759-373-60	IC SN74ABT540NS-E05	
IC269	8-759-925-05	IC LM2903PS	
IC270	8-759-186-39	IC TC74VHC74F	
IC271	8-759-186-51	IC TC74VHC157F	
IC273	8-759-926-48	IC SN74HC244ANS	
IC275	8-759-477-25	IC SN74ABT574ANSR	
IC276	8-759-477-25	IC SN74ABT574ANSR	
IC277	8-759-477-25	IC SN74ABT574ANSR	
IC278	8-759-373-60	IC SN74ABT540NS-E05	
IC280	8-759-186-51	IC TC74VHC157F	
IC288	8-759-058-62	IC TC7S08FU (TE85R)	
IC300	8-752-053-21	IC CXA1211M	
IC301	8-752-053-21	IC CXA1211M	
IC302	8-759-011-65	IC MC74HC4053F	
IC303	8-759-011-65	IC MC74HC4053F	
IC304	8-759-635-27	IC M62352GP-75E	
IC305	8-759-565-20	IC TDA4665T/V5-118	
IC306	8-759-082-61	IC TC4W53FU	
IC317	8-759-011-64	IC MC74HC4052F	
IC318	8-759-032-11	IC MC74HC04AF	
IC319	8-759-360-07	IC BA7657F-E2	

Ref.No.	Part No.	Description	Remark
IC321	8-759-372-18	IC μPC1830GT-E2	
IC330	8-759-082-61	IC TC4W53FU	
IC331	8-759-082-61	IC TC4W53FU	
IC501	8-759-011-63	IC MC74HC4051F	
IC502	8-759-635-27	IC M62352GP-75E	
IC503	8-759-637-31	IC M52036SP	
IC505	8-752-070-09	IC CXA1779P	
IC508	8-759-032-11	IC MC74HC04AF	
IC509	8-759-198-31	IC μPC1093J-1-T	
IC510	8-759-198-31	IC μPC1093J-1-T	
IC511	8-752-371-18	IC CXD2302Q-T4	
IC512	8-752-371-18	IC CXD2302Q-T4	
IC513	8-752-371-18	IC CXD2302Q-T4	
IC521	8-759-082-61	IC TC4W53FU	
IC522	8-759-008-45	IC MC74HC4538F	
IC523	8-759-058-62	IC TC7S08FU (TE85R)	
IC525	8-759-635-27	IC M62352GP-75E	
IC526	8-759-082-61	IC TC4W53FU	
IC527	8-759-082-61	IC TC4W53FU	
IC528	8-759-082-61	IC TC4W53FU	
IC529	8-759-058-62	IC TC7S08FU (TE85R)	
IC530	8-759-083-94	IC TC7W74FU	
IC702	8-759-596-72	IC EPC1PC8-9683V1.00	
IC703	8-759-186-63	IC TC74VHC245F	
IC704	8-759-186-63	IC TC74VHC245F	
IC705	8-759-186-63	IC TC74VHC245F	
IC706	8-759-186-63	IC TC74VHC245F	
IC707	8-759-186-63	IC TC74VHC245F	
IC709	8-759-599-99	IC MB90096PF-G-182-BND-ER	
IC712	8-759-390-38	IC μPC24M12AHF	
IC713	8-759-144-82	IC μPC2405HF	
IC714	8-759-144-82	IC μPC2405HF	
IC720	8-759-637-31	IC M52036SP	
IC721	8-759-058-62	IC TC7S08FU (TE85R)	
IC722	8-759-083-94	IC TC7W74FU	
IC777	8-759-442-20	IC 24LC21AT/SN	
IC1001	8-752-372-78	IC CXD2024AQ	
IC1002	8-759-296-51	IC μPD6486GF-3BA	
IC1003	8-759-161-24	IC μPC659AGS-E2	
IC1004	8-759-329-06	IC μPD42280GU-30-E2	
IC1005	8-759-329-06	IC μPD42280GU-30-E2	
IC1006	8-759-446-66	IC MM1113XFBE	
IC1007	8-759-446-66	IC MM1113XFBE	
IC1008	8-759-011-65	IC MC74HC4053F	
IC1009	8-759-296-53	IC μPC1862GS-E2	
IC1010	8-759-209-57	IC TC4S69F (TE85R)	
IC1011	8-752-053-21	IC CXA1211M	
IC1012	8-759-277-63	IC TC7W14FU (TE12R)	
	<CHIP CONDUCTOR>		
JR701	1-216-295-91	SHORT 0	
JR702	1-216-295-91	SHORT 0	
	<COIL>		
L302	1-410-193-51	INDUCTOR CHIP	12μH
L501	1-410-471-11	INDUCTOR	1μH
L504	1-410-471-11	INDUCTOR	1μH
L506	1-410-471-11	INDUCTOR	1μH
L1001	1-414-042-21	INDUCTOR	1μH

B

Ref.No.	Part No.	Description	Remark
L1006	1-410-193-51	INDUCTOR CHIP	1.2µH
L1007	1-410-193-51	INDUCTOR CHIP	1.2µH
L1008	1-410-193-51	INDUCTOR CHIP	1.2µH
L1009	1-410-193-51	INDUCTOR CHIP	1.2µH
L1010	1-410-193-51	INDUCTOR CHIP	1.2µH
L1011	1-410-193-51	INDUCTOR CHIP	1.2µH
L1012	1-410-193-51	INDUCTOR CHIP	1.2µH
L1013	1-410-193-51	INDUCTOR CHIP	1.2µH
L1014	1-410-193-51	INDUCTOR CHIP	1.2µH
L1015	1-410-193-51	INDUCTOR CHIP	1.2µH
L1016	1-410-193-51	INDUCTOR CHIP	1.2µH
L1017	1-410-204-31	INDUCTOR CHIP	10µH
	<TRANSISTOR>		
Q1	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q201	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q202	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q203	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q215	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q307	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q310	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q311	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q315	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q316	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q317	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q320	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q321	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q322	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q323	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q324	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q325	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q326	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q327	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q328	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q329	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q330	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q351	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q352	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q354	8-729-027-31	TRANSISTOR DTA124EKA-T146	
Q355	8-729-216-22	TRANSISTOR 2SA1162-G	
Q356	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q357	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q358	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q501	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q502	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q503	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q504	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q505	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q506	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q507	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q508	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q509	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q510	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q511	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q512	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q513	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q514	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q515	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q516	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	

Ref.No.	Part No.	Description	Remark
Q517	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q518	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q519	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q520	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q521	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q522	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q523	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q524	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q525	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q526	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q527	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q528	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q529	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q530	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q531	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q532	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q533	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q534	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q535	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q536	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q537	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q538	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q539	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q540	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q541	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q542	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q543	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q544	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q545	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q546	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q547	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q548	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q549	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q550	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q551	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q552	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q553	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q554	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q555	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q556	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q557	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q558	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q559	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q560	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q561	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q562	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q563	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q564	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q565	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q566	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q567	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q568	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q569	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q570	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q571	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q572	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q573	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q574	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q575	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q576	8-729-120-28	TRANSISTOR 2SC1623-L5L6	

Ref.No.	Part No.	Description	Remark
Q577	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q578	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q579	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q580	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q581	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q582	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q583	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q584	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q585	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q586	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q587	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q588	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q589	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q590	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q591	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q592	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q593	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q594	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q595	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q596	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q597	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q598	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q599	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q600	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q601	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q602	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q603	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q604	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q605	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q606	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q607	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q608	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q609	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q610	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q611	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q612	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q613	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q614	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q615	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q701	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q702	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q703	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q704	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1001	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1002	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1003	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q1004	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q1005	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1006	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1007	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1008	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1009	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1010	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1011	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1012	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1013	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1014	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1015	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1016	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q1018	8-729-120-28	TRANSISTOR 2SC1623-L5L6	

Ref.No.	Part No.	Description			Remark
Q1019	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q1020	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
	<RESISTOR>				
R8	1-216-073-00	RES,CHIP	10K	5%	1/10W
R9	1-216-073-00	RES,CHIP	10K	5%	1/10W
R10	1-216-073-00	RES,CHIP	10K	5%	1/10W
R20	1-216-049-91	RES,CHIP	1K	5%	1/10W
R21	1-216-089-91	RES,CHIP	47K	5%	1/10W
R22	1-216-025-91	RES,CHIP	100	5%	1/10W
R26	1-216-073-00	RES,CHIP	10K	5%	1/10W
R41	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R42	1-216-041-00	RES,CHIP	470	5%	1/10W
R68	1-216-025-91	RES,CHIP	100	5%	1/10W
R79	1-216-073-00	RES,CHIP	10K	5%	1/10W
R80	1-216-025-91	RES,CHIP	100	5%	1/10W
R84	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R89	1-216-013-00	RES,CHIP	33	5%	1/10W
R90	1-216-073-00	RES,CHIP	10K	5%	1/10W
R98	1-216-073-00	RES,CHIP	10K	5%	1/10W
R101	1-216-023-00	RES,CHIP	82	5%	1/10W
R102	1-216-023-00	RES,CHIP	82	5%	1/10W
R103	1-216-021-00	RES,CHIP	68	5%	1/10W
R104	1-216-013-00	RES,CHIP	33	5%	1/10W
R105	1-216-013-00	RES,CHIP	33	5%	1/10W
R106	1-216-021-00	RES,CHIP	68	5%	1/10W
R108	1-216-013-00	RES,CHIP	33	5%	1/10W
R109	1-216-013-00	RES,CHIP	33	5%	1/10W
R110	1-216-017-91	RES,CHIP	47	5%	1/10W
R111	1-216-017-91	RES,CHIP	47	5%	1/10W
R112	1-216-009-91	RES,CHIP	22	5%	1/10W
R113	1-216-013-00	RES,CHIP	33	5%	1/10W
R114	1-216-013-00	RES,CHIP	33	5%	1/10W
R115	1-216-013-00	RES,CHIP	33	5%	1/10W
R116	1-216-013-00	RES,CHIP	33	5%	1/10W
R117	1-216-023-00	RES,CHIP	82	5%	1/10W
R118	1-216-013-00	RES,CHIP	33	5%	1/10W
R119	1-216-013-00	RES,CHIP	33	5%	1/10W
R120	1-216-013-00	RES,CHIP	33	5%	1/10W
R121	1-216-013-00	RES,CHIP	33	5%	1/10W
R122	1-216-023-00	RES,CHIP	82	5%	1/10W
R123	1-216-009-91	RES,CHIP	22	5%	1/10W
R124	1-216-009-91	RES,CHIP	22	5%	1/10W
R125	1-216-009-91	RES,CHIP	22	5%	1/10W
R126	1-216-009-91	RES,CHIP	22	5%	1/10W
R127	1-216-009-91	RES,CHIP	22	5%	1/10W
R128	1-216-009-91	RES,CHIP	22	5%	1/10W
R129	1-216-009-91	RES,CHIP	22	5%	1/10W
R130	1-216-009-91	RES,CHIP	22	5%	1/10W
R132	1-216-023-00	RES,CHIP	82	5%	1/10W
R133	1-216-021-00	RES,CHIP	68	5%	1/10W
R135	1-216-009-91	RES,CHIP	22	5%	1/10W
R136	1-216-009-91	RES,CHIP	22	5%	1/10W
R137	1-216-009-91	RES,CHIP	22	5%	1/10W
R138	1-216-009-91	RES,CHIP	22	5%	1/10W
R139	1-216-009-91	RES,CHIP	22	5%	1/10W
R141	1-216-023-00	RES,CHIP	82	5%	1/10W
R142	1-216-009-91	RES,CHIP	22	5%	1/10W
R143	1-216-009-91	RES,CHIP	22	5%	1/10W

B

Ref.No.	Part No.	Description			Remark
R144	1-216-009-91	RES,CHIP	22	5%	1/10W
R145	1-216-009-91	RES,CHIP	22	5%	1/10W
R146	1-216-009-91	RES,CHIP	22	5%	1/10W
R148	1-216-021-00	RES,CHIP	68	5%	1/10W
R149	1-216-009-91	RES,CHIP	22	5%	1/10W
R150	1-216-009-91	RES,CHIP	22	5%	1/10W
R151	1-216-009-91	RES,CHIP	22	5%	1/10W
R153	1-216-025-91	RES,CHIP	100	5%	1/10W
R154	1-216-009-91	RES,CHIP	22	5%	1/10W
R156	1-216-021-00	RES,CHIP	68	5%	1/10W
R160	1-216-013-00	RES,CHIP	33	5%	1/10W
R161	1-216-013-00	RES,CHIP	33	5%	1/10W
R162	1-216-013-00	RES,CHIP	33	5%	1/10W
R163	1-216-013-00	RES,CHIP	33	5%	1/10W
R164	1-216-013-00	RES,CHIP	33	5%	1/10W
R165	1-216-013-00	RES,CHIP	33	5%	1/10W
R166	1-216-009-91	RES,CHIP	22	5%	1/10W
R167	1-216-009-91	RES,CHIP	22	5%	1/10W
R168	1-216-009-91	RES,CHIP	22	5%	1/10W
R169	1-216-009-91	RES,CHIP	22	5%	1/10W
R170	1-216-023-00	RES,CHIP	82	5%	1/10W
R171	1-216-023-00	RES,CHIP	82	5%	1/10W
R173	1-216-073-00	RES,CHIP	10K	5%	1/10W
R177	1-216-073-00	RES,CHIP	10K	5%	1/10W
R178	1-216-073-00	RES,CHIP	10K	5%	1/10W
R179	1-216-073-00	RES,CHIP	10K	5%	1/10W
R180	1-216-073-00	RES,CHIP	10K	5%	1/10W
R181	1-216-073-00	RES,CHIP	10K	5%	1/10W
R182	1-216-073-00	RES,CHIP	10K	5%	1/10W
R183	1-216-073-00	RES,CHIP	10K	5%	1/10W
R184	1-216-025-91	RES,CHIP	100	5%	1/10W
R185	1-216-025-91	RES,CHIP	100	5%	1/10W
R186	1-216-025-91	RES,CHIP	100	5%	1/10W
R187	1-216-025-91	RES,CHIP	100	5%	1/10W
R188	1-216-025-91	RES,CHIP	100	5%	1/10W
R191	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R192	1-216-025-91	RES,CHIP	100	5%	1/10W
R193	1-216-025-91	RES,CHIP	100	5%	1/10W
R194	1-216-025-91	RES,CHIP	100	5%	1/10W
R195	1-216-025-91	RES,CHIP	100	5%	1/10W
R196	1-216-025-91	RES,CHIP	100	5%	1/10W
R197	1-216-097-91	RES,CHIP	100K	5%	1/10W
R198	1-216-097-91	RES,CHIP	100K	5%	1/10W
R199	1-216-073-00	RES,CHIP	10K	5%	1/10W
R200	1-216-013-00	RES,CHIP	33	5%	1/10W
R201	1-216-683-11	METAL CHIP	22K	0.50%	1/10W
R202	1-216-049-91	RES,CHIP	1K	5%	1/10W
R203	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R205	1-216-677-11	METAL CHIP	12K	0.50%	1/10W
R206	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R207	1-216-049-91	RES,CHIP	1K	5%	1/10W
R208	1-216-699-91	METAL CHIP	100K	0.50%	1/10W
R209	1-216-073-00	RES,CHIP	10K	5%	1/10W
R216	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R217	1-216-687-11	METAL CHIP	33K	0.50%	1/10W
R218	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R219	1-216-073-00	RES,CHIP	10K	5%	1/10W
R222	1-216-045-00	RES,CHIP	680	5%	1/10W
R223	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R224	1-216-057-00	RES,CHIP	2.2K	5%	1/10W

Ref.No.	Part No.	Description			Remark
R225	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R226	1-216-681-11	METAL CHIP	18K	0.50%	1/10W
R228	1-216-031-00	RES,CHIP	180	5%	1/10W
R229	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R232	1-216-089-91	RES,CHIP	47K	5%	1/10W
R233	1-216-073-00	RES,CHIP	10K	5%	1/10W
R234	1-216-073-00	RES,CHIP	10K	5%	1/10W
R235	1-216-089-91	RES,CHIP	47K	5%	1/10W
R239	1-216-025-91	RES,CHIP	100	5%	1/10W
R240	1-216-295-91	SHORT	0		
R241	1-216-295-91	SHORT	0		
R242	1-216-295-91	SHORT	0		
R243	1-216-660-11	METAL CHIP	2.4K	0.50%	1/10W
R244	1-216-660-11	METAL CHIP	2.4K	0.50%	1/10W
R245	1-216-037-00	RES,CHIP	330	5%	1/10W
R246	1-216-295-91	SHORT	0		
R247	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R248	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R249	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R250	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R251	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R252	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R253	1-216-037-00	RES,CHIP	330	5%	1/10W
R254	1-216-295-91	SHORT	0		
R257	1-216-660-11	METAL CHIP	2.4K	0.50%	1/10W
R258	1-216-083-00	RES,CHIP	27K	5%	1/10W
R264	1-216-691-11	METAL CHIP	47K	0.50%	1/10W
R265	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R266	1-216-295-91	SHORT	0		
R268	1-216-089-91	RES,CHIP	47K	5%	1/10W
R269	1-216-694-11	METAL CHIP	62K	0.50%	1/10W
R270	1-216-073-00	RES,CHIP	10K	5%	1/10W
R271	1-216-073-00	RES,CHIP	10K	5%	1/10W
R272	1-216-073-00	RES,CHIP	10K	5%	1/10W
R273	1-216-073-00	RES,CHIP	10K	5%	1/10W
R274	1-216-073-00	RES,CHIP	10K	5%	1/10W
R275	1-216-073-00	RES,CHIP	10K	5%	1/10W
R276	1-216-073-00	RES,CHIP	10K	5%	1/10W
R277	1-216-073-00	RES,CHIP	10K	5%	1/10W
R278	1-216-073-00	RES,CHIP	10K	5%	1/10W
R279	1-216-073-00	RES,CHIP	10K	5%	1/10W
R280	1-216-073-00	RES,CHIP	10K	5%	1/10W
R281	1-216-073-00	RES,CHIP	10K	5%	1/10W
R282	1-216-073-00	RES,CHIP	10K	5%	1/10W
R283	1-216-073-00	RES,CHIP	10K	5%	1/10W
R284	1-216-073-00	RES,CHIP	10K	5%	1/10W
R285	1-216-073-00	RES,CHIP	10K	5%	1/10W
R286	1-216-073-00	RES,CHIP	10K	5%	1/10W
R287	1-216-073-00	RES,CHIP	10K	5%	1/10W
R288	1-216-073-00	RES,CHIP	10K	5%	1/10W
R289	1-216-073-00	RES,CHIP	10K	5%	1/10W
R290	1-216-073-00	RES,CHIP	10K	5%	1/10W
R291	1-216-073-00	RES,CHIP	10K	5%	1/10W
R292	1-216-073-00	RES,CHIP	10K	5%	1/10W
R293	1-216-073-00	RES,CHIP	10K	5%	1/10W
R294	1-216-073-00	RES,CHIP	10K	5%	1/10W
R295	1-216-073-00	RES,CHIP	10K	5%	1/10W
R296	1-216-073-00	RES,CHIP	10K	5%	1/10W
R297	1-216-073-00	RES,CHIP	10K	5%	1/10W
R298	1-216-073-00	RES,CHIP	10K	5%	1/10W

Ref.No.	Part No.	Description			Remark
R299	1-216-073-00	RES,CHIP	10K	5%	1/10W
R300	1-216-073-00	RES,CHIP	10K	5%	1/10W
R301	1-216-073-00	RES,CHIP	10K	5%	1/10W
R305	1-216-693-11	METAL CHIP	56K	0.50%	1/10W
R308	1-216-025-91	RES,CHIP	100	5%	1/10W
R309	1-216-025-91	RES,CHIP	100	5%	1/10W
R310	1-216-025-91	RES,CHIP	100	5%	1/10W
R311	1-216-025-91	RES,CHIP	100	5%	1/10W
R312	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R313	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W
R314	1-216-103-00	RES,CHIP	180K	5%	1/10W
R315	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R316	1-216-662-11	METAL CHIP	3K	0.50%	1/10W
R317	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R318	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R319	1-216-049-91	RES,CHIP	1K	5%	1/10W
R320	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R321	1-216-627-11	METAL CHIP	100	0.50%	1/10W
R322	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R323	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R324	1-216-089-91	RES,CHIP	47K	5%	1/10W
R335	1-218-774-11	METAL CHIP	820K	0.50%	1/10W
R336	1-218-771-11	METAL CHIP	620K	0.50%	1/10W
R340	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W
R346	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R347	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W
R348	1-216-295-91	SHORT	0		
R350	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R352	1-216-295-91	SHORT	0		
R353	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R354	1-216-045-00	RES,CHIP	680	5%	1/10W
R355	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R356	1-216-047-91	RES,CHIP	820	5%	1/10W
R357	1-216-025-91	RES,CHIP	100	5%	1/10W
R358	1-216-049-91	RES,CHIP	1K	5%	1/10W
R359	1-216-073-00	RES,CHIP	10K	5%	1/10W
R361	1-216-687-11	METAL CHIP	33K	0.50%	1/10W
R362	1-216-681-11	METAL CHIP	18K	0.50%	1/10W
R363	1-216-681-11	METAL CHIP	18K	0.50%	1/10W
R364	1-216-687-11	METAL CHIP	33K	0.50%	1/10W
R365	1-216-033-00	RES,CHIP	220	5%	1/10W
R366	1-216-295-91	SHORT	0		
R367	1-216-295-91	SHORT	0		
R368	1-216-295-91	SHORT	0		
R369	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R370	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R371	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R372	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R373	1-216-690-11	METAL CHIP	43K	0.50%	1/10W
R375	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R376	1-218-756-11	METAL CHIP	150K	0.50%	1/10W
R378	1-216-661-11	METAL CHIP	2.7K	0.50%	1/10W
R379	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R380	1-216-643-11	METAL CHIP	470	0.50%	1/10W
R381	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W
R383	1-218-772-11	METAL CHIP	680K	0.50%	1/10W
R384	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R385	1-216-646-11	METAL CHIP	620	0.50%	1/10W
R387	1-216-121-91	RES,CHIP	1M	5%	1/10W
R388	1-216-121-91	RES,CHIP	1M	5%	1/10W
R389	1-216-121-91	RES,CHIP	1M	5%	1/10W
R392	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W
R393	1-218-775-11	METAL CHIP	910K	0.50%	1/10W
R394	1-216-687-11	METAL CHIP	33K	0.50%	1/10W
R395	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
R396	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R399	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R400	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R401	1-218-774-11	METAL CHIP	820K	0.50%	1/10W
R402	1-218-766-11	METAL CHIP	390K	0.50%	1/10W
R403	1-218-774-11	METAL CHIP	820K	0.50%	1/10W
R404	1-216-681-11	METAL CHIP	18K	0.50%	1/10W
R405	1-216-683-11	METAL CHIP	22K	0.50%	1/10W
R406	1-216-681-11	METAL CHIP	18K	0.50%	1/10W
R407	1-216-683-11	METAL CHIP	22K	0.50%	1/10W
R408	1-216-681-11	METAL CHIP	18K	0.50%	1/10W
R409	1-216-683-11	METAL CHIP	22K	0.50%	1/10W
R411	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R412	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R413	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R414	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R415	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R416	1-216-652-11	METAL CHIP	1.1K	0.50%	1/10W
R417	1-216-652-11	METAL CHIP	1.1K	0.50%	1/10W
R420	1-216-687-11	METAL CHIP	33K	0.50%	1/10W
R421	1-216-687-11	METAL CHIP	33K	0.50%	1/10W
R422	1-216-695-11	METAL CHIP	68K	0.50%	1/10W
R423	1-216-633-11	METAL CHIP	180	0.50%	1/10W
R424	1-216-089-91	RES,CHIP	47K	5%	1/10W
R425	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R426	1-216-676-11	METAL CHIP	11K	0.50%	1/10W
R427	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R428	1-216-025-91	RES,CHIP	100	5%	1/10W
R430	1-216-295-91	SHORT	0		
R440	1-216-073-00	RES,CHIP	10K	5%	1/10W
R441	1-216-073-00	RES,CHIP	10K	5%	1/10W
R442	1-216-073-00	RES,CHIP	10K	5%	1/10W
R443	1-216-073-00	RES,CHIP	10K	5%	1/10W
R444	1-216-073-00	RES,CHIP	10K	5%	1/10W
R445	1-216-073-00	RES,CHIP	10K	5%	1/10W
R446	1-216-073-00	RES,CHIP	10K	5%	1/10W
R447	1-216-073-00	RES,CHIP	10K	5%	1/10W
R448	1-216-073-00	RES,CHIP	10K	5%	1/10W
R449	1-216-073-00	RES,CHIP	10K	5%	1/10W
R450	1-216-073-00	RES,CHIP	10K	5%	1/10W
R451	1-216-073-00	RES,CHIP	10K	5%	1/10W
R452	1-216-073-00	RES,CHIP	10K	5%	1/10W
R453	1-216-073-00	RES,CHIP	10K	5%	1/10W
R454	1-216-073-00	RES,CHIP	10K	5%	1/10W
R455	1-216-073-00	RES,CHIP	10K	5%	1/10W
R456	1-216-073-00	RES,CHIP	10K	5%	1/10W
R457	1-216-073-00	RES,CHIP	10K	5%	1/10W
R458	1-216-073-00	RES,CHIP	10K	5%	1/10W
R459	1-216-073-00	RES,CHIP	10K	5%	1/10W
R460	1-216-073-00	RES,CHIP	10K	5%	1/10W
R461	1-216-073-00	RES,CHIP	10K	5%	1/10W
R462	1-216-073-00	RES,CHIP	10K	5%	1/10W
R463	1-216-073-00	RES,CHIP	10K	5%	1/10W
R464	1-216-073-00	RES,CHIP	10K	5%	1/10W
R465	1-216-073-00	RES,CHIP	10K	5%	1/10W

B

Ref.No.	Part No.	Description			Remark
R466	1-216-073-00	RES,CHIP	10K	5%	1/10W
R467	1-216-073-00	RES,CHIP	10K	5%	1/10W
R468	1-216-073-00	RES,CHIP	10K	5%	1/10W
R469	1-216-073-00	RES,CHIP	10K	5%	1/10W
R470	1-216-073-00	RES,CHIP	10K	5%	1/10W
R471	1-216-073-00	RES,CHIP	10K	5%	1/10W
R477	1-216-013-00	RES,CHIP	33	5%	1/10W
R478	1-216-013-00	RES,CHIP	33	5%	1/10W
R479	1-216-013-00	RES,CHIP	33	5%	1/10W
R480	1-216-013-00	RES,CHIP	33	5%	1/10W
R481	1-216-013-00	RES,CHIP	33	5%	1/10W
R482	1-216-013-00	RES,CHIP	33	5%	1/10W
R483	1-216-013-00	RES,CHIP	33	5%	1/10W
R484	1-216-013-00	RES,CHIP	33	5%	1/10W
R485	1-216-013-00	RES,CHIP	33	5%	1/10W
R486	1-216-013-00	RES,CHIP	33	5%	1/10W
R487	1-216-013-00	RES,CHIP	33	5%	1/10W
R488	1-216-013-00	RES,CHIP	33	5%	1/10W
R489	1-216-013-00	RES,CHIP	33	5%	1/10W
R490	1-216-013-00	RES,CHIP	33	5%	1/10W
R491	1-216-013-00	RES,CHIP	33	5%	1/10W
R492	1-216-013-00	RES,CHIP	33	5%	1/10W
R493	1-216-013-00	RES,CHIP	33	5%	1/10W
R494	1-216-013-00	RES,CHIP	33	5%	1/10W
R495	1-216-013-00	RES,CHIP	33	5%	1/10W
R496	1-216-013-00	RES,CHIP	33	5%	1/10W
R497	1-216-013-00	RES,CHIP	33	5%	1/10W
R498	1-216-013-00	RES,CHIP	33	5%	1/10W
R499	1-216-013-00	RES,CHIP	33	5%	1/10W
R500	1-216-013-00	RES,CHIP	33	5%	1/10W
R501	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R502	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R503	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R504	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R505	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R506	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R507	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R508	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R509	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R510	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R511	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R512	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R513	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R514	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R515	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R516	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R517	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R518	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R519	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R520	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R521	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R522	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R523	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R524	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R525	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R526	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R527	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R528	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R529	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R530	1-216-641-11	METAL CHIP	390	0.50%	1/10W

Ref.No.	Part No.	Description			Remark
R531	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R532	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R533	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R534	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R535	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R536	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R537	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R538	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R539	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R540	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R541	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R542	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R543	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R544	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R545	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R546	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R547	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R548	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R549	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R550	1-216-073-00	RES,CHIP	10K	5%	1/10W
R551	1-216-073-00	RES,CHIP	10K	5%	1/10W
R552	1-216-073-00	RES,CHIP	10K	5%	1/10W
R553	1-216-073-00	RES,CHIP	10K	5%	1/10W
R554	1-216-073-00	RES,CHIP	10K	5%	1/10W
R555	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R561	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R562	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R563	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R564	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R565	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R566	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R567	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R568	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R569	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R570	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R571	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R572	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R573	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R574	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R575	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R576	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R577	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R578	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R579	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R580	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R581	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R582	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R583	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R584	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R585	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R586	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R587	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R588	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R589	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R590	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R591	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R592	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R593	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R594	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R595	1-216-675-91	METAL CHIP	10K	0.50%	1/10W

Ref.No.	Part No.	Description		Remark
R596	1-216-667-11	METAL CHIP	4.7K	0.50% 1/10W
R597	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R598	1-216-667-11	METAL CHIP	4.7K	0.50% 1/10W
R599	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R600	1-216-667-11	METAL CHIP	4.7K	0.50% 1/10W
R601	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R602	1-216-667-11	METAL CHIP	4.7K	0.50% 1/10W
R603	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R604	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R605	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R606	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R607	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R608	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R609	1-216-639-11	METAL CHIP	330	0.50% 1/10W
R611	1-216-646-11	METAL CHIP	620	0.50% 1/10W
R612	1-216-655-11	METAL CHIP	1.5K	0.50% 1/10W
R613	1-216-649-11	METAL CHIP	820	0.50% 1/10W
R614	1-216-651-11	METAL CHIP	1K	0.50% 1/10W
R615	1-216-651-11	METAL CHIP	1K	0.50% 1/10W
R616	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R617	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R618	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R619	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R620	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R621	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R622	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R623	1-216-659-11	METAL CHIP	2.2K	0.50% 1/10W
R624	1-216-631-11	METAL CHIP	150	0.50% 1/10W
R625	1-216-631-11	METAL CHIP	150	0.50% 1/10W
R626	1-216-639-11	METAL CHIP	330	0.50% 1/10W
R627	1-216-639-11	METAL CHIP	330	0.50% 1/10W
R628	1-216-639-11	METAL CHIP	330	0.50% 1/10W
R629	1-216-639-11	METAL CHIP	330	0.50% 1/10W
R630	1-216-651-11	METAL CHIP	1K	0.50% 1/10W
R632	1-216-653-11	METAL CHIP	1.2K	0.50% 1/10W
R633	1-216-653-11	METAL CHIP	1.2K	0.50% 1/10W
R634	1-216-659-11	METAL CHIP	2.2K	0.50% 1/10W
R635	1-216-659-11	METAL CHIP	2.2K	0.50% 1/10W
R636	1-216-659-11	METAL CHIP	2.2K	0.50% 1/10W
R637	1-216-659-11	METAL CHIP	2.2K	0.50% 1/10W
R638	1-216-631-11	METAL CHIP	150	0.50% 1/10W
R639	1-216-631-11	METAL CHIP	150	0.50% 1/10W
R640	1-216-639-11	METAL CHIP	330	0.50% 1/10W
R641	1-216-639-11	METAL CHIP	330	0.50% 1/10W
R642	1-216-639-11	METAL CHIP	330	0.50% 1/10W
R643	1-216-639-11	METAL CHIP	330	0.50% 1/10W
R645	1-216-641-11	METAL CHIP	390	0.50% 1/10W
R646	1-216-641-11	METAL CHIP	390	0.50% 1/10W
R647	1-216-641-11	METAL CHIP	390	0.50% 1/10W
R648	1-216-641-11	METAL CHIP	390	0.50% 1/10W
R649	1-216-641-11	METAL CHIP	390	0.50% 1/10W
R650	1-216-641-11	METAL CHIP	390	0.50% 1/10W
R651	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R652	1-216-667-11	METAL CHIP	4.7K	0.50% 1/10W
R653	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R654	1-216-667-11	METAL CHIP	4.7K	0.50% 1/10W
R655	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R656	1-216-667-11	METAL CHIP	4.7K	0.50% 1/10W
R657	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R658	1-216-667-11	METAL CHIP	4.7K	0.50% 1/10W
R659	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R660	1-216-667-11	METAL CHIP	4.7K	0.50% 1/10W
R661	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R662	1-216-667-11	METAL CHIP	4.7K	0.50% 1/10W
R663	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R664	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R665	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R666	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R667	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R668	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R669	1-216-639-11	METAL CHIP	330	0.50% 1/10W
R670	1-216-659-11	METAL CHIP	2.2K	0.50% 1/10W
R671	1-216-659-11	METAL CHIP	2.2K	0.50% 1/10W
R672	1-216-659-11	METAL CHIP	2.2K	0.50% 1/10W
R673	1-216-057-00	RES,CHIP	2.2K	5% 1/10W
R674	1-216-025-91	RES,CHIP	100	5% 1/10W
R675	1-216-097-91	RES,CHIP	100K	5% 1/10W
R676	1-216-065-91	RES,CHIP	4.7K	5% 1/10W
R677	1-216-073-00	RES,CHIP	10K	5% 1/10W
R701	1-216-017-91	RES,CHIP	47	5% 1/10W
R702	1-216-017-91	RES,CHIP	47	5% 1/10W
R703	1-216-017-91	RES,CHIP	47	5% 1/10W
R704	1-216-017-91	RES,CHIP	47	5% 1/10W
R705	1-216-017-91	RES,CHIP	47	5% 1/10W
R706	1-216-017-91	RES,CHIP	47	5% 1/10W
R707	1-216-017-91	RES,CHIP	47	5% 1/10W
R708	1-216-017-91	RES,CHIP	47	5% 1/10W
R709	1-216-017-91	RES,CHIP	47	5% 1/10W
R710	1-216-017-91	RES,CHIP	47	5% 1/10W
R711	1-216-017-91	RES,CHIP	47	5% 1/10W
R712	1-216-017-91	RES,CHIP	47	5% 1/10W
R713	1-216-017-91	RES,CHIP	47	5% 1/10W
R714	1-216-017-91	RES,CHIP	47	5% 1/10W
R715	1-216-017-91	RES,CHIP	47	5% 1/10W
R716	1-216-017-91	RES,CHIP	47	5% 1/10W
R717	1-216-017-91	RES,CHIP	47	5% 1/10W
R718	1-216-017-91	RES,CHIP	47	5% 1/10W
R719	1-216-017-91	RES,CHIP	47	5% 1/10W
R720	1-216-017-91	RES,CHIP	47	5% 1/10W
R721	1-216-017-91	RES,CHIP	47	5% 1/10W
R722	1-216-017-91	RES,CHIP	47	5% 1/10W
R723	1-216-017-91	RES,CHIP	47	5% 1/10W
R724	1-216-017-91	RES,CHIP	47	5% 1/10W
R755	1-216-049-91	RES,CHIP	1K	5% 1/10W
R756	1-216-049-91	RES,CHIP	1K	5% 1/10W
R757	1-216-033-00	RES,CHIP	220	5% 1/10W
R758	1-216-033-00	RES,CHIP	220	5% 1/10W
R761	1-216-017-91	RES,CHIP	47	5% 1/10W
R762	1-216-009-91	RES,CHIP	22	5% 1/10W
R763	1-216-079-00	RES,CHIP	18K	5% 1/10W
R764	1-216-079-00	RES,CHIP	18K	5% 1/10W
R765	1-216-049-91	RES,CHIP	1K	5% 1/10W
R766	1-216-067-00	RES,CHIP	5.6K	5% 1/10W
R767	1-216-073-00	RES,CHIP	10K	5% 1/10W
R768	1-216-025-91	RES,CHIP	100	5% 1/10W
R769	1-216-009-91	RES,CHIP	22	5% 1/10W
R770	1-216-009-91	RES,CHIP	22	5% 1/10W
R771	1-216-009-91	RES,CHIP	22	5% 1/10W
R777	1-216-089-91	RES,CHIP	47K	5% 1/10W
R778	1-216-017-91	RES,CHIP	47	5% 1/10W

B

Ref.No.	Part No.	Description			Remark
R779	1-216-017-91	RES,CHIP	47	5%	1/10W
R780	1-216-017-91	RES,CHIP	47	5%	1/10W
R782	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R783	1-216-049-91	RES,CHIP	1K	5%	1/10W
R784	1-216-049-91	RES,CHIP	1K	5%	1/10W
R788	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R789	1-216-677-11	METAL CHIP	12K	0.50%	1/10W
R790	1-216-699-91	METAL CHIP	100K	0.50%	1/10W
R791	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R792	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R793	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R794	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R795	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R796	1-216-025-91	RES,CHIP	100	5%	1/10W
R797	1-216-097-91	RES,CHIP	100K	5%	1/10W
R798	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R799	1-216-073-00	RES,CHIP	10K	5%	1/10W
R801	1-216-009-91	RES,CHIP	22	5%	1/10W
R802	1-216-009-91	RES,CHIP	22	5%	1/10W
R803	1-216-009-91	RES,CHIP	22	5%	1/10W
R804	1-216-009-91	RES,CHIP	22	5%	1/10W
R805	1-216-009-91	RES,CHIP	22	5%	1/10W
R806	1-216-009-91	RES,CHIP	22	5%	1/10W
R807	1-216-009-91	RES,CHIP	22	5%	1/10W
R808	1-216-009-91	RES,CHIP	22	5%	1/10W
R809	1-216-009-91	RES,CHIP	22	5%	1/10W
R810	1-216-009-91	RES,CHIP	22	5%	1/10W
R811	1-216-009-91	RES,CHIP	22	5%	1/10W
R812	1-216-009-91	RES,CHIP	22	5%	1/10W
R813	1-216-009-91	RES,CHIP	22	5%	1/10W
R814	1-216-009-91	RES,CHIP	22	5%	1/10W
R815	1-216-009-91	RES,CHIP	22	5%	1/10W
R816	1-216-009-91	RES,CHIP	22	5%	1/10W
R817	1-216-009-91	RES,CHIP	22	5%	1/10W
R818	1-216-009-91	RES,CHIP	22	5%	1/10W
R819	1-216-009-91	RES,CHIP	22	5%	1/10W
R820	1-216-009-91	RES,CHIP	22	5%	1/10W
R821	1-216-009-91	RES,CHIP	22	5%	1/10W
R822	1-216-009-91	RES,CHIP	22	5%	1/10W
R823	1-216-009-91	RES,CHIP	22	5%	1/10W
R824	1-216-009-91	RES,CHIP	22	5%	1/10W
R825	1-216-009-91	RES,CHIP	22	5%	1/10W
R826	1-216-009-91	RES,CHIP	22	5%	1/10W
R827	1-216-009-91	RES,CHIP	22	5%	1/10W
R828	1-216-009-91	RES,CHIP	22	5%	1/10W
R829	1-216-009-91	RES,CHIP	22	5%	1/10W
R830	1-216-009-91	RES,CHIP	22	5%	1/10W
R831	1-216-009-91	RES,CHIP	22	5%	1/10W
R832	1-216-009-91	RES,CHIP	22	5%	1/10W
R833	1-216-009-91	RES,CHIP	22	5%	1/10W
R834	1-216-009-91	RES,CHIP	22	5%	1/10W
R835	1-216-009-91	RES,CHIP	22	5%	1/10W
R871	1-216-341-11	METAL OXIDE	0.22	5%	1W F
R872	1-216-341-11	METAL OXIDE	0.22	5%	1W F
R931	1-216-121-91	RES,CHIP	1M	5%	1/10W
R932	1-216-637-11	METAL CHIP	270	0.50%	1/10W
R933	1-216-619-11	METAL CHIP	47	0.50%	1/10W
R934	1-216-637-11	METAL CHIP	270	0.50%	1/10W
R935	1-216-637-11	METAL CHIP	270	0.50%	1/10W
R936	1-216-685-11	METAL CHIP	27K	0.50%	1/10W

Ref.No.	Part No.	Description			Remark
R937	1-216-295-91	SHORT	0		
R938	1-216-686-11	METAL CHIP	30K	0.50%	1/10W
R939	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R975	1-216-295-91	SHORT	0		
R976	1-216-295-91	SHORT	0		
R1001	1-216-077-91	RES,CHIP	15K	5%	1/10W
R1002	1-216-079-00	RES,CHIP	18K	5%	1/10W
R1003	1-216-001-00	RES,CHIP	10	5%	1/10W
R1004	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R1005	1-216-043-91	RES,CHIP	560	5%	1/10W
R1006	1-216-001-00	RES,CHIP	10	5%	1/10W
R1007	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
R1008	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R1009	1-216-051-00	RES,CHIP	1.2K	5%	1/10W
R1010	1-216-045-00	RES,CHIP	680	5%	1/10W
R1011	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1012	1-216-025-91	RES,CHIP	100	5%	1/10W
R1013	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R1014	1-216-041-00	RES,CHIP	470	5%	1/10W
R1015	1-216-077-91	RES,CHIP	15K	5%	1/10W
R1016	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1017	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1018	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R1019	1-216-025-91	RES,CHIP	100	5%	1/10W
R1020	1-216-029-00	RES,CHIP	150	5%	1/10W
R1021	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1022	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1023	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
R1024	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1025	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1026	1-216-017-91	RES,CHIP	47	5%	1/10W
R1027	1-216-081-00	RES,CHIP	22K	5%	1/10W
R1028	1-216-023-00	RES,CHIP	82	5%	1/10W
R1029	1-216-023-00	RES,CHIP	82	5%	1/10W
R1030	1-216-023-00	RES,CHIP	82	5%	1/10W
R1031	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R1032	1-216-650-11	METAL CHIP	910	0.50%	1/10W
R1033	1-216-633-11	METAL CHIP	180	0.50%	1/10W
R1034	1-216-664-11	METAL CHIP	3.6K	0.50%	1/10W
R1035	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R1036	1-216-650-11	METAL CHIP	910	0.50%	1/10W
R1037	1-216-664-11	METAL CHIP	3.6K	0.50%	1/10W
R1038	1-216-627-11	METAL CHIP	100	0.50%	1/10W
R1039	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R1040	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R1041	1-216-295-91	SHORT	0		
R1042	1-216-634-11	METAL CHIP	200	0.50%	1/10W
R1043	1-216-656-11	METAL CHIP	1.6K	0.50%	1/10W
R1044	1-216-634-11	METAL CHIP	200	0.50%	1/10W
R1045	1-216-025-91	RES,CHIP	100	5%	1/10W
R1046	1-216-295-91	SHORT	0		
R1047	1-216-017-91	RES,CHIP	47	5%	1/10W
R1048	1-216-664-11	METAL CHIP	3.6K	0.50%	1/10W
R1049	1-216-650-11	METAL CHIP	910	0.50%	1/10W
R1050	1-216-077-91	RES,CHIP	15K	5%	1/10W
R1051	1-216-075-00	RES,CHIP	12K	5%	1/10W
R1052	1-216-059-00	RES,CHIP	2.7K	5%	1/10W
R1053	1-216-043-91	RES,CHIP	560	5%	1/10W
R1054	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
R1055	1-216-041-00	RES,CHIP	470	5%	1/10W

Ref.No.	Part No.	Description			Remark
R1056	1-216-039-00	RES,CHIP	390	5%	1/10W
R1057	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1058	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1059	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1060	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1061	1-216-079-00	RES,CHIP	18K	5%	1/10W
R1062	1-216-025-91	RES,CHIP	100	5%	1/10W
R1063	1-216-017-91	RES,CHIP	47	5%	1/10W
R1064	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R1065	1-216-077-91	RES,CHIP	15K	5%	1/10W
R1066	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1067	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1068	1-216-043-91	RES,CHIP	560	5%	1/10W
R1069	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
R1070	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1071	1-216-043-91	RES,CHIP	560	5%	1/10W
R1072	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1073	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1074	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1075	1-216-081-00	RES,CHIP	22K	5%	1/10W
R1076	1-216-025-91	RES,CHIP	100	5%	1/10W
R1077	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R1078	1-216-017-91	RES,CHIP	47	5%	1/10W
R1079	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R1080	1-216-295-91	SHORT	0		
R1081	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R1082	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1083	1-216-682-11	METAL CHIP	20K	0.50%	1/10W
R1084	1-216-025-91	RES,CHIP	100	5%	1/10W
R1085	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1086	1-216-033-00	RES,CHIP	220	5%	1/10W
R1089	1-216-133-00	RES,CHIP	3.3M	5%	1/10W
R1090	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1091	1-216-644-11	METAL CHIP	510	0.50%	1/10W
R1092	1-216-627-11	METAL CHIP	100	0.50%	1/10W
R1093	1-216-023-00	RES,CHIP	82	5%	1/10W
R1094	1-216-029-00	RES,CHIP	150	5%	1/10W
R1095	1-216-041-00	RES,CHIP	470	5%	1/10W
R1096	1-216-019-00	RES,CHIP	56	5%	1/10W
R1097	1-216-009-91	RES,CHIP	22	5%	1/10W
R1098	1-216-039-00	RES,CHIP	390	5%	1/10W
R1099	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1100	1-216-059-00	RES,CHIP	2.7K	5%	1/10W
R1101	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1102	1-216-031-00	RES,CHIP	180	5%	1/10W
R1103	1-216-071-00	RES,CHIP	8.2K	5%	1/10W
R1104	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R1105	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1106	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1107	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R1108	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R1135	1-216-625-11	METAL CHIP	82	0.50%	1/10W
R1140	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1141	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1142	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1143	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1144	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1145	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1146	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1147	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1148	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1149	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1150	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1151	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1152	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1153	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1154	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1155	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1156	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1157	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1158	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1159	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1160	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1161	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1162	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1163	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1164	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1165	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1166	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1167	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1168	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1169	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1170	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1171	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1175	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1176	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1200	1-216-041-00	RES,CHIP	470	5%	1/10W
R1201	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R1202	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R1203	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R1204	1-216-687-11	METAL CHIP	33K	0.50%	1/10W
R1205	1-216-681-11	METAL CHIP	18K	0.50%	1/10W
R1206	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1207	1-216-025-91	RES,CHIP	100	5%	1/10W
R1211	1-216-095-00	RES,CHIP	82K	5%	1/10W
R1212	1-216-095-00	RES,CHIP	82K	5%	1/10W
R1213	1-216-077-91	RES,CHIP	15K	5%	1/10W
R1214	1-216-077-91	RES,CHIP	15K	5%	1/10W
R1215	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1216	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1217	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1218	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1219	1-216-689-11	RES,CHIP	39K	5%	1/10W
R1220	1-216-689-11	RES,CHIP	39K	5%	1/10W
R1221	1-216-093-91	RES,CHIP	68K	5%	1/10W
R1222	1-216-095-00	RES,CHIP	82K	5%	1/10W
R1223	1-216-095-00	RES,CHIP	82K	5%	1/10W
R1224	1-216-081-00	RES,CHIP	22K	5%	1/10W
R1226	1-216-081-00	RES,CHIP	22K	5%	1/10W
R1227	1-216-081-00	RES,CHIP	22K	5%	1/10W
R1228	1-216-081-00	RES,CHIP	22K	5%	1/10W
R1229	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1230	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1231	1-216-033-00	RES,CHIP	220	5%	1/10W
R1232	1-216-081-00	RES,CHIP	22K	5%	1/10W
R1233	1-216-001-00	RES,CHIP	10	5%	1/10W
R1239	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1240	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1241	1-216-081-00	RES,CHIP	22K	5%	1/10W
R2001	1-215-884-11	METAL OXIDE	47	5%	2W F

B BR

Ref.No.	Part No.	Description	Remark
		<TERMINAL BOARD>	
TB101	1-695-915-11	TAB (CONTACT)	
		<TEST PIN>	
TP7	1-535-757-11	CHIP, CHECKER	
TP8	1-535-757-11	CHIP, CHECKER	
TP10	1-535-757-11	CHIP, CHECKER	
TP11	1-535-757-11	CHIP, CHECKER	
TP12	1-535-757-11	CHIP, CHECKER	
TP13	1-535-757-11	CHIP, CHECKER	
TP14	1-535-757-11	CHIP, CHECKER	
TP71	1-535-757-11	CHIP, CHECKER	
TP72	1-535-757-11	CHIP, CHECKER	
TP73	1-535-757-11	CHIP, CHECKER	
TP101	1-535-757-11	CHIP, CHECKER	
TP102	1-535-757-11	CHIP, CHECKER	
TP103	1-535-757-11	CHIP, CHECKER	
TP104	1-535-757-11	CHIP, CHECKER	
TP105	1-535-757-11	CHIP, CHECKER	
TP106	1-535-757-11	CHIP, CHECKER	
TP107	1-535-757-11	CHIP, CHECKER	
TP109	1-535-757-11	CHIP, CHECKER	
TP111	1-535-757-11	CHIP, CHECKER	
TP112	1-535-757-11	CHIP, CHECKER	
TP501	1-535-757-11	CHIP, CHECKER	
TP502	1-535-757-11	CHIP, CHECKER	
TP503	1-535-757-11	CHIP, CHECKER	
TP505	1-535-757-11	CHIP, CHECKER	
TP506	1-535-757-11	CHIP, CHECKER	
TP701	1-535-757-11	CHIP, CHECKER	
TP702	1-535-757-11	CHIP, CHECKER	
TP703	1-535-757-11	CHIP, CHECKER	
TP704	1-535-757-11	CHIP, CHECKER	
TP705	1-535-757-11	CHIP, CHECKER	
TP706	1-535-757-11	CHIP, CHECKER	
		<CRYSTAL>	
X250	1-760-040-11	VIBRATOR, CRYSTAL (19.66MHz)	
X251	1-527-722-00	VIBRATOR, CRYSTAL (14.31818MHz)	
X301	1-577-611-11	OSCILALTOR, CERAMIC (500KHz)	
X302	1-567-504-11	OSCILLATOR, CRYSTAL (4.43MHz)	
X303	1-567-505-11	OSCILLATOR, CRYSTAL (3.58MHz)	
X1001	1-579-057-11	VIBRATOR, CRYSTAL (17.7MHz)	
X1002	1-527-722-00	VIBRATOR, CRYSTAL (14.318MHz)	
X1003	1-577-611-11	OSCILALTOR, CERAMIC (500KHz)	
X1004	1-579-583-11	VIBRATOR, CERAMIC (503KHz)	

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* A-1131-502-A BR MOUNT
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4-623-699-01 SCREW (3X5)

Ref.No.	Part No.	Description			Remark
		<CAPACITOR>			
C6001	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6002	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6003	1-126-392-11	ELECT CHIP	100μF	20%	6.3V
C6004	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6005	1-126-204-11	ELECT CHIP	47μF	20%	16V
C6006	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6007	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6008	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6009	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6010	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6011	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6012	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6013	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6014	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6015	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6016	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6017	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6018	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6019	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6020	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6021	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6022	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6023	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6025	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6026	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6027	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6028	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6029	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6035	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6036	1-124-779-00	ELECT CHIP	10μF	20%	16V
C6037	1-126-204-11	ELECT CHIP	47μF	20%	16V
C6038	1-126-603-11	ELECT CHIP	4.7μF	20%	35V
C6039	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6040	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6041	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6042	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C6043	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C6044	1-126-204-11	ELECT CHIP	47μF	20%	16V
C6045	1-126-204-11	ELECT CHIP	47μF	20%	16V
C6046	1-126-204-11	ELECT CHIP	47μF	20%	16V
C6047	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6048	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6049	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6050	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6051	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6053	1-126-204-11	ELECT CHIP	47μF	20%	16V
C6054	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6055	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6057	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6061	1-104-601-11	ELECT CHIP	10μF	20%	10V
C6064	1-104-601-11	ELECT CHIP	10μF	20%	10V
C6066	1-126-392-11	ELECT CHIP	100μF	20%	6.3V
C6069	1-124-779-00	ELECT CHIP	10μF	20%	16V
C6071	1-124-779-00	ELECT CHIP	10μF	20%	16V
C6072	1-126-204-11	ELECT CHIP	47μF	20%	16V
C6073	1-124-779-00	ELECT CHIP	10μF	20%	16V
C6074	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6075	1-163-038-91	CERAMIC CHIP	0.1μF		25V
C6076	1-163-243-11	CERAMIC CHIP	47pF	5%	50V

Ref.No.	Part No.	Description	Remark
C6500	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6501	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6502	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6503	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6504	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6505	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6506	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6507	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6508	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6509	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6510	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6511	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6512	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6513	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6515	1-163-809-11	CERAMIC CHIP 0.047µF 10% 25V	
C6516	1-163-809-11	CERAMIC CHIP 0.047µF 10% 25V	
C6517	1-163-809-11	CERAMIC CHIP 0.047µF 10% 25V	
C6518	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6519	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6520	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6521	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6522	1-163-275-11	CERAMIC CHIP 0.001µF 5% 50V	
C6523	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6524	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6526	1-126-204-11	ELECT CHIP 47µF 20% 16V	
C6527	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6528	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6529	1-126-204-11	ELECT CHIP 47µF 20% 16V	
C6530	1-126-205-11	ELECT CHIP 47µF 20% 6.3V	
C6531	1-126-205-11	ELECT CHIP 47µF 20% 6.3V	
C6532	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6533	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6534	1-126-204-11	ELECT CHIP 47µF 20% 16V	
C6535	1-163-241-11	CERAMIC CHIP 39pF 5% 50V	
C6536	1-126-204-11	ELECT CHIP 47µF 20% 16V	
C6537	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6538	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6539	1-117-137-11	ELECT CHIP 33µF 20% 10V	
C6540	1-117-137-11	ELECT CHIP 33µF 20% 10V	
C6541	1-117-137-11	ELECT CHIP 33µF 20% 10V	
C6542	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6543	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C6544	1-124-779-00	ELECT CHIP 10µF 20% 16V	
C6545	1-124-779-00	ELECT CHIP 10µF 20% 16V	
C6546	1-126-392-11	ELECT CHIP 100µF 20% 6.3V	
C6547	1-163-251-11	CERAMIC CHIP 100pF 5% 50V	
C6548	1-163-251-11	CERAMIC CHIP 100pF 5% 50V	
	<CONNECTOR>		
CN6500	* 1-564-005-11	PIN, CONNECTOR 6P	
CN6501	1-506-469-11	PIN, CONNECTOR 4P	
CN6502	1-506-469-11	PIN, CONNECTOR 4P	
CN6503	* 1-564-009-11	PIN, CONNECTOR 10P	
CN6504	* 1-564-506-11	PLUG, CONNECTOR 3P	
	<DIODE>		
D6001	8-719-422-12	DIODE MA8039	
D6500	8-719-073-01	DIODE MA111-(K8).S0	
D6501	8-719-073-01	DIODE MA111-(K8).S0	
D6502	8-719-073-01	DIODE MA111-(K8).S0	
D6503	8-719-073-01	DIODE MA111-(K8).S0	
	<FILTER>		
FL6001	1-234-113-21	FILTER, LOW PASS	
FL6002	1-234-112-21	FILTER, LOW PASS	
FL6003	1-234-112-21	FILTER, LOW PASS	
FL6004	1-233-505-21	FILTER, LOW PASS	
FL6005	1-233-504-21	FILTER, LOW PASS	
FL6006	1-233-504-21	FILTER, LOW PASS	
	<IC>		
IC6001	8-759-431-14	IC PQ3TZ53U	
IC6002	8-759-422-80	IC MN47V77ST1	
IC6003	8-759-422-80	IC MN47V77ST1	
IC6004	8-752-390-22	IC CXD2075Q	
IC6005	8-759-701-01	IC NJM2904M	
IC6006	8-759-295-09	IC TLC2932IPW	
IC6007	8-752-388-98	IC CXD2303AQ	
IC6008	8-759-430-32	IC TLC2933IPWR	
IC6500	8-752-067-05	IC CXA1739S	
IC6501	8-759-243-47	IC TC74ACT04F	
IC6502	8-759-970-89	IC BA10358F	
IC6503	8-759-390-38	IC µPC24M12AHF	
IC6504	8-759-144-82	IC µPC2405HF	
IC6505	8-759-209-57	IC TC4S69F (TE85R)	
IC6506	8-759-488-29	IC TC7W66FU (TE12R)	
IC6507	8-759-209-57	IC TC4S69F (TE85R)	
	<COIL>		
L6001	1-410-196-11	INDUCTOR CHIP	2.2µH
L6002	1-414-754-11	INDUCTOR 10µH	
L6004	1-414-754-11	INDUCTOR 10µH	
L6006	1-414-754-11	INDUCTOR 10µH	
L6007	1-414-754-11	INDUCTOR 10µH	
L6008	1-414-757-11	INDUCTOR 100µH	
L6009	1-414-757-11	INDUCTOR 100µH	
L6010	1-414-757-11	INDUCTOR 100µH	
L6011	1-414-757-11	INDUCTOR 100µH	
L6013	1-414-754-11	INDUCTOR 10µH	
L6014	1-414-754-11	INDUCTOR 10µH	
	<TRANSISTOR>		
Q6001	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6002	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6004	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6005	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6006	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6007	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6008	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6009	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6010	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6011	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6012	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6013	8-729-216-22	TRANSISTOR 2SA1162-G	

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Ref.No.	Part No.	Description			Remark
Q6500	8-729-216-22	TRANSISTOR 2SA1162-G			
Q6501	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q6502	8-729-216-22	TRANSISTOR 2SA1162-G			
Q6503	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q6504	8-729-216-22	TRANSISTOR 2SA1162-G			
Q6505	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q6506	8-729-216-22	TRANSISTOR 2SA1162-G			
Q6507	8-729-216-22	TRANSISTOR 2SA1162-G			
Q6508	8-729-216-22	TRANSISTOR 2SA1162-G			
Q6509	8-729-216-22	TRANSISTOR 2SA1162-G			
Q6510	8-729-216-22	TRANSISTOR 2SA1162-G			
Q6511	8-729-216-22	TRANSISTOR 2SA1162-G			
Q6512	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q6513	8-729-216-22	TRANSISTOR 2SA1162-G			
Q6514	8-729-216-22	TRANSISTOR 2SA1162-G			
	<RESISTOR>				
R450	1-216-049-91	RES,CHIP	1K	5%	1/10W
R6001	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R6002	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R6003	1-216-632-11	METAL CHIP	160	0.50%	1/10W
R6004	1-216-646-11	METAL CHIP	620	0.50%	1/10W
R6005	1-216-637-11	METAL CHIP	270	0.50%	1/10W
R6006	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R6007	1-216-295-91	SHORT	0		
R6010	1-216-295-91	SHORT	0		
R6011	1-216-295-91	SHORT	0		
R6014	1-216-295-91	SHORT	0		
R6016	1-216-295-91	SHORT	0		
R6018	1-216-295-91	SHORT	0		
R6019	1-216-295-91	SHORT	0		
R6021	1-216-295-91	SHORT	0		
R6024	1-216-295-91	SHORT	0		
R6026	1-216-295-91	SHORT	0		
R6029	1-216-295-91	SHORT	0		
R6030	1-216-295-91	SHORT	0		
R6031	1-216-295-91	SHORT	0		
R6033	1-216-025-91	RES,CHIP	100	5%	1/10W
R6034	1-216-295-91	SHORT	0		
R6035	1-216-295-91	SHORT	0		
R6039	1-216-295-91	SHORT	0		
R6040	1-216-295-91	SHORT	0		
R6041	1-216-047-91	RES,CHIP	820	5%	1/10W
R6042	1-216-037-00	RES,CHIP	330	5%	1/10W
R6043	1-216-037-00	RES,CHIP	330	5%	1/10W
R6044	1-216-049-91	RES,CHIP	1K	5%	1/10W
R6045	1-216-113-00	RES,CHIP	470K	5%	1/10W
R6046	1-216-117-00	RES,CHIP	680K	5%	1/10W
R6047	1-216-081-00	RES,CHIP	22K	5%	1/10W
R6048	1-216-097-91	RES,CHIP	100K	5%	1/10W
R6049	1-216-025-91	RES,CHIP	100	5%	1/10W
R6050	1-216-666-11	METAL CHIP	4.3K	0.50%	1/10W
R6051	1-216-117-00	RES,CHIP	680K	5%	1/10W
R6052	1-216-295-91	SHORT	0		
R6054	1-216-025-91	RES,CHIP	100	5%	1/10W
R6055	1-216-033-00	RES,CHIP	220	5%	1/10W
R6056	1-216-295-91	SHORT	0		
R6057	1-216-049-91	RES,CHIP	1K	5%	1/10W
R6058	1-216-061-00	RES,CHIP	3.3K	5%	1/10W

Ref.No.	Part No.	Description			Remark
R6059	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R6061	1-216-295-91	SHORT	0		
R6062	1-216-062-00	RES,CHIP	3.6K	5%	1/10W
R6064	1-216-113-00	RES,CHIP	470K	5%	1/10W
R6065	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6068	1-216-295-91	SHORT	0		
R6071	1-216-025-91	RES,CHIP	100	5%	1/10W
R6074	1-216-025-91	RES,CHIP	100	5%	1/10W
R6075	1-216-025-91	RES,CHIP	100	5%	1/10W
R6077	1-216-295-91	SHORT	0		
R6078	1-216-295-91	SHORT	0		
R6081	1-216-668-11	METAL CHIP	5.1K	0.50%	1/10W
R6082	1-216-673-11	METAL CHIP	8.2K	0.50%	1/10W
R6083	1-216-666-11	METAL CHIP	4.3K	0.50%	1/10W
R6084	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W
R6085	1-216-295-91	SHORT	0		
R6087	1-216-043-91	RES,CHIP	560	5%	1/10W
R6088	1-216-049-91	RES,CHIP	1K	5%	1/10W
R6089	1-216-049-91	RES,CHIP	1K	5%	1/10W
R6090	1-216-647-11	METAL CHIP	680	0.50%	1/10W
R6091	1-216-043-91	RES,CHIP	560	5%	1/10W
R6092	1-216-043-91	RES,CHIP	560	5%	1/10W
R6093	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R6094	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R6095	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R6096	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R6097	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R6098	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R6099	1-216-643-11	METAL CHIP	470	0.50%	1/10W
R6100	1-216-295-91	SHORT	0		
R6101	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R6102	1-216-295-91	SHORT	0		
R6103	1-216-643-11	METAL CHIP	470	0.50%	1/10W
R6104	1-216-295-91	SHORT	0		
R6105	1-216-295-91	SHORT	0		
R6106	1-216-295-91	SHORT	0		
R6107	1-216-295-91	SHORT	0		
R6108	1-216-295-91	SHORT	0		
R6109	1-216-295-91	SHORT	0		
R6110	1-216-295-91	SHORT	0		
R6111	1-216-295-91	SHORT	0		
R6500	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6501	1-216-077-91	RES,CHIP	15K	5%	1/10W
R6502	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6503	1-216-661-11	METAL CHIP	2.7K	0.50%	1/10W
R6504	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R6505	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W
R6506	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R6507	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6508	1-216-295-91	SHORT	0		
R6509	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R6510	1-216-025-91	RES,CHIP	100	5%	1/10W
R6511	1-216-071-00	RES,CHIP	8.2K	5%	1/10W
R6512	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W
R6513	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R6514	1-216-025-91	RES,CHIP	100	5%	1/10W
R6515	1-216-071-00	RES,CHIP	8.2K	5%	1/10W
R6516	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W
R6517	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R6518	1-216-025-91	RES,CHIP	100	5%	1/10W

Ref.No.	Part No.	Description			Remark
R6519	1-216-071-00	RES,CHIP	8.2K	5%	1/10W
R6520	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W
R6521	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R6522	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W
R6523	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R6524	1-216-685-11	METAL CHIP	27K	0.50%	1/10W
R6525	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R6526	1-216-673-11	METAL CHIP	8.2K	0.50%	1/10W
R6527	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R6528	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R6530	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6531	1-216-025-91	RES,CHIP	100	5%	1/10W
R6532	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6533	1-216-295-91	SHORT	0		
R6534	1-216-687-11	METAL CHIP	33K	0.50%	1/10W
R6535	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R6536	1-216-629-11	METAL CHIP	120	0.50%	1/10W
R6537	1-216-629-11	METAL CHIP	120	0.50%	1/10W
R6538	1-216-629-11	METAL CHIP	120	0.50%	1/10W
R6540	1-216-045-00	RES,CHIP	680	5%	1/10W
R6541	1-216-045-00	RES,CHIP	680	5%	1/10W
R6542	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R6543	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R6544	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R6545	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R6546	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R6547	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R6548	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R6549	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R6550	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R6551	1-216-647-11	METAL CHIP	680	0.50%	1/10W
R6552	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R6553	1-216-025-91	RES,CHIP	100	5%	1/10W
R6554	1-216-629-11	METAL CHIP	120	0.50%	1/10W
R6555	1-216-634-11	METAL CHIP	200	0.50%	1/10W
R6556	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R6557	1-216-647-11	METAL CHIP	680	0.50%	1/10W
R6558	1-216-627-11	METAL CHIP	100	0.50%	1/10W
R6559	1-216-647-11	METAL CHIP	680	0.50%	1/10W
R6560	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R6561	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R6562	1-216-668-11	METAL CHIP	5.1K	0.50%	1/10W
R6563	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R6564	1-216-055-00	RES,CHIP	1.8K	5%	1/10W

<TEST PIN>

Ref.No.	Part No.	Description
TP1	1-535-757-11	CHIP, CHECKER
TP2	1-535-757-11	CHIP, CHECKER
TP3	1-535-757-11	CHIP, CHECKER
TP4	1-535-757-11	CHIP, CHECKER
TP5	1-535-757-11	CHIP, CHECKER

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Ref.No.	Part No.	Description	Remark
	* A-1294-135-A	AI MOUNT	
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<CAPACITOR>

Ref.No.	Part No.	Description			Remark
C6002	1-163-031-11	CERAMIC CHIP	0.01μF		50V
C6004	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C6005	1-163-031-11	CERAMIC CHIP	0.01μF		50V
C6008	1-126-206-11	ELECT CHIP	100μF	20%	6.3V
C6012	1-126-396-11	ELECT CHIP	47μF	20%	16V
C6020	1-126-395-11	ELECT CHIP	22μF	20%	16V
C6021	1-126-395-11	ELECT CHIP	22μF	20%	16V
C6022	1-126-392-11	ELECT CHIP	100μF	20%	6.3V
C6023	1-126-392-11	ELECT CHIP	100μF	20%	6.3V
C6024	1-126-395-11	ELECT CHIP	22μF	20%	16V
C6025	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C6026	1-126-395-11	ELECT CHIP	22μF	20%	16V
C6027	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C6028	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C6029	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C6030	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C6031	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C6032	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C6033	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C6034	1-163-031-11	CERAMIC CHIP	0.01μF		50V
C6035	1-163-031-11	CERAMIC CHIP	0.01μF		50V

<CONNECTOR>

Ref.No.	Part No.	Description
CN6001	1-774-552-11	CONNECTOR, BOARD TO BOARD 10P
CN6002	1-506-472-11	PIN, CONNECTOR 7P
CN6003	* 1-564-006-71	PIN, CONNECTOR 7P
CN6004	1-506-484-11	PIN, CONNECTOR 5P
CN6005	1-774-552-11	CONNECTOR, BOARD TO BOARD 10P

<DIODE>

Ref.No.	Part No.	Description
D6001	8-719-073-01	DIODE MA111-(K8).S0
D6002	8-719-073-01	DIODE MA111-(K8).S0
D6003	8-719-073-01	DIODE MA111-(K8).S0
D6004	8-719-073-01	DIODE MA111-(K8).S0

<IC>

Ref.No.	Part No.	Description
IC6001	8-759-454-11	IC MC74HC589AFEL
IC6002	8-759-245-58	IC TC35095AF
IC6003	8-759-925-80	IC SN74HC14ANS
IC6004	8-759-032-23	IC MC74HC74AF-T2
IC6005	8-759-327-60	IC TC7W125FU-TE12R

<COIL>

Ref.No.	Part No.	Description	
L6001	1-410-482-31	INDUCTOR	100μH

<RESISTOR>

Ref.No.	Part No.	Description			Remark
R6007	1-216-677-11	METAL CHIP	12K	0.50%	1/10W
R6008	1-216-677-11	METAL CHIP	12K	0.50%	1/10W
R6028	1-216-049-91	RES,CHIP	1K	5%	1/10W
R6029	1-216-049-91	RES,CHIP	1K	5%	1/10W
R6030	1-216-073-00	RES,CHIP	10K	5%	1/10W

Ref.No.	Part No.	Description			Remark
R6031	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6035	1-216-025-91	RES,CHIP	100	5%	1/10W
R6036	1-216-025-91	RES,CHIP	100	5%	1/10W
R6037	1-216-025-91	RES,CHIP	100	5%	1/10W
R6040	1-216-097-91	RES,CHIP	100K	5%	1/10W
R6050	1-216-673-11	METAL CHIP	8.2K	0.50%	1/10W
R6051	1-216-673-11	METAL CHIP	8.2K	0.50%	1/10W
R6052	1-216-049-91	RES,CHIP	1K	5%	1/10W
R6053	1-216-001-00	RES,CHIP	10	5%	1/10W
R6054	1-216-001-00	RES,CHIP	10	5%	1/10W
R6055	1-216-001-00	RES,CHIP	10	5%	1/10W
R6056	1-216-001-00	RES,CHIP	10	5%	1/10W
R6057	1-216-001-00	RES,CHIP	10	5%	1/10W
R6058	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6059	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6060	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6061	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6062	1-216-073-00	RES,CHIP	10K	5%	1/10W

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* A-1294-154-A AF MOUNT
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<CAPACITOR>

C6501	1-126-392-11	ELECT CHIP	100µF	20%	6.3V
C6502	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C6503	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V

<CONNECTOR>

CN6501	* 1-564-520-11	PLUG, CONNECTOR	5P

<IC>

IC6501	8-759-032-59	IC MC74HC595AF
IC6502	8-759-032-59	IC MC74HC595AF
IC6503	8-719-045-58	DIODE LB-602MA2

<RESISTOR>

R6501	1-216-039-00	RES,CHIP	390	5%	1/10W
R6502	1-216-039-00	RES,CHIP	390	5%	1/10W
R6503	1-216-039-00	RES,CHIP	390	5%	1/10W
R6504	1-216-039-00	RES,CHIP	390	5%	1/10W
R6505	1-216-039-00	RES,CHIP	390	5%	1/10W
R6506	1-216-039-00	RES,CHIP	390	5%	1/10W
R6507	1-216-039-00	RES,CHIP	390	5%	1/10W
R6508	1-216-039-00	RES,CHIP	390	5%	1/10W
R6509	1-216-039-00	RES,CHIP	390	5%	1/10W
R6510	1-216-039-00	RES,CHIP	390	5%	1/10W
R6511	1-216-039-00	RES,CHIP	390	5%	1/10W
R6512	1-216-039-00	RES,CHIP	390	5%	1/10W
R6513	1-216-039-00	RES,CHIP	390	5%	1/10W
R6514	1-216-039-00	RES,CHIP	390	5%	1/10W
R6515	1-216-039-00	RES,CHIP	390	5%	1/10W
R6516	1-216-039-00	RES,CHIP	390	5%	1/10W

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* A-1311-825-A G2 MOUNT
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<CONNECTOR>

CN4001	* 1-564-517-11	PLUG, CONNECTOR	2P
CN4002	* 1-564-519-11	PLUG, CONNECTOR	4P
CN4003	* 1-564-524-11	PLUG, CONNECTOR	9P
CN4004	* 1-564-519-11	PLUG, CONNECTOR	4P
CN4005	* 1-564-519-11	PLUG, CONNECTOR	4P
CN4006	* 1-564-594-11	PLUG, CONNECTOR	15P
CN4007	* 1-785-108-11	PIN, CONNECTOR (PC BOARD)	40P
CN4008	* 1-564-520-11	PLUG, CONNECTOR	5P

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* A-1311-826-A G1 MOUNT
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CN5001	1-506-488-11	PIN, CONNECTOR	9P
CN5002	1-506-483-21	PIN, CONNECTOR	4P
CN5003	1-506-482-11	PIN, CONNECTOR	3P
CN5004	1-506-494-11	PIN, CONNECTOR	15P
CN5005	1-506-484-11	PIN, CONNECTOR	5P
CN5006	* 1-785-109-11	SOCKET, CONNECTOR	40P

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* A-1372-452-A H2 MOUNT
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<CAPACITOR>

C801	1-126-396-11	ELECT CHIP	47µF	20%	16V
C802	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C803	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C804	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C805	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C806	1-126-391-11	ELECT CHIP	47µF	20%	6.3V
C807	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C808	1-126-391-11	ELECT CHIP	47µF	20%	6.3V
C809	1-126-391-11	ELECT CHIP	47µF	20%	6.3V
C850	1-126-392-11	ELECT CHIP	100µF	20%	6.3V
C851	1-126-396-11	ELECT CHIP	47µF	20%	16V
C871	1-126-392-11	ELECT CHIP	100µF	20%	6.3V
C872	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C873	1-126-396-11	ELECT CHIP	47µF	20%	16V
C874	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C875	1-163-037-11	CERAMIC CHIP	0.022µF	10%	50V
C876	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V

Ref.No.	Part No.	Description	Remark
C877	1-164-004-11	CERAMIC CHIP 0.1μF 10% 25V	
C878	1-164-004-11	CERAMIC CHIP 0.1μF 10% 25V	
C881	1-126-391-11	ELECT CHIP 47μF 20% 6.3V	
C882	1-164-004-11	CERAMIC CHIP 0.1μF 10% 25V	
C883	1-164-004-11	CERAMIC CHIP 0.1μF 10% 25V	
	<CONNECTOR>		
CN801	1-506-480-11	PIN, CONNECTOR 15P	
CN802	1-506-472-11	PIN, CONNECTOR 7P	
CN803	1-774-552-11	CONNECTOR, BOARD TO BOARD 10P	
CN804	1-774-553-11	CONNECTOR, BOARD TO BOARD 15P	
CN807	1-506-468-11	PIN, CONNECTOR 3P	
CN808	1-506-473-11	PIN, CONNECTOR 8P	
CN809	* 1-563-865-21	SOCKET, CONNECTOR 30P	
CN810	* 1-563-865-21	SOCKET, CONNECTOR 30P	
CN811	* 1-563-865-21	SOCKET, CONNECTOR 30P	
CN812	1-774-553-11	CONNECTOR, BOARD TO BOARD 15P	
CN813	1-774-553-11	CONNECTOR, BOARD TO BOARD 15P	
CN814	1-774-553-11	CONNECTOR, BOARD TO BOARD 15P	
CN815	1-506-469-11	PIN, CONNECTOR 4P	
CN816	* 1-564-005-11	PIN, CONNECTOR 6P	
CN871	1-506-468-11	PIN, CONNECTOR 3P	
CN873	1-506-475-11	PIN, CONNECTOR 10P	
	<DIODE>		
D801	8-719-073-01	DIODE MA111-(K8).S0	
D802	8-719-073-01	DIODE MA111-(K8).S0	
D803	8-719-158-15	DIODE RD5.6SB	
D804	8-719-158-15	DIODE RD5.6SB	
D805	8-719-158-15	DIODE RD5.6SB	
D806	8-719-158-15	DIODE RD5.6SB	
D807	8-719-158-15	DIODE RD5.6SB	
D808	8-719-158-15	DIODE RD5.6SB	
D809	8-719-158-15	DIODE RD5.6SB	
D810	8-719-158-15	DIODE RD5.6SB	
D811	8-719-158-15	DIODE RD5.6SB	
D812	8-719-158-15	DIODE RD5.6SB	
D850	8-719-978-04	DIODE DTZ-TT11-3.3B	
D851	8-719-978-04	DIODE DTZ-TT11-3.3B	
D852	8-719-073-01	DIODE MA111-(K8).S0	
D853	8-719-073-01	DIODE MA111-(K8).S0	
D871	8-719-073-01	DIODE MA111-(K8).S0	
D872	8-719-073-01	DIODE MA111-(K8).S0	
D873	8-719-073-01	DIODE MA111-(K8).S0	
D874	8-719-073-01	DIODE MA111-(K8).S0	
D875	8-719-073-01	DIODE MA111-(K8).S0	
D876	8-719-073-01	DIODE MA111-(K8).S0	
D877	8-719-073-01	DIODE MA111-(K8).S0	
D878	8-719-073-01	DIODE MA111-(K8).S0	
D879	8-719-073-01	DIODE MA111-(K8).S0	
D880	8-719-073-01	DIODE MA111-(K8).S0	
D881	8-719-073-01	DIODE MA111-(K8).S0	
D882	8-719-073-01	DIODE MA111-(K8).S0	
D898	8-719-073-01	DIODE MA111-(K8).S0	
D899	8-719-073-01	DIODE MA111-(K8).S0	

Ref.No.	Part No.	Description	Remark
	<IC>		
IC801	8-759-168-19	IC TA78L09F-TE12L	
IC802	8-759-358-46	IC MM1114XFBE	
IC803	8-759-358-46	IC MM1114XFBE	
IC871	8-759-467-84	IC MC68HC05P6SC442119B	
IC872	8-759-058-62	IC TC7S08FU(TE85R)	
IC873	8-759-058-62	IC TC7S08FU(TE85R)	
	<COIL>		
L801	1-414-042-21	INDUCTOR 18μH	
L871	1-408-615-31	INDUCTOR 100μH	
L872	1-410-682-31	INDUCTOR 470μH	
	<TRANSISTOR>		
Q850	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q851	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q852	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q853	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q871	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q872	8-729-901-98	TRANSISTOR 2SA1036K-R	
Q873	8-729-901-98	TRANSISTOR 2SA1036K-R	
Q874	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q875	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q876	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q877	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q878	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q879	1-801-806-11	TRANSISTOR DTC144EKA-T146	
	<RESISTOR>		
R801	1-216-025-91	RES,CHIP 100 5% 1/10W	
R802	1-216-655-11	METAL CHIP 1.5K 0.50% 1/10W	
R803	1-216-025-91	RES,CHIP 100 5% 1/10W	
R804	1-216-655-11	METAL CHIP 1.5K 0.50% 1/10W	
R805	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R850	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R851	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R852	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R853	1-249-381-11	CARBON 1 5% 1/4W	F
R871	1-216-294-00	RES,CHIP 10M 5% 1/8W	
R872	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R873	1-216-065-91	RES,CHIP 4.7K 5% 1/10W	
R874	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R875	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R876	1-216-065-91	RES,CHIP 4.7K 5% 1/10W	
R877	1-216-097-91	RES,CHIP 100K 5% 1/10W	
R878	1-216-009-91	RES,CHIP 22 5% 1/10W	
R879	1-216-005-00	RES,CHIP 15 5% 1/10W	
R880	1-216-009-91	RES,CHIP 22 5% 1/10W	
R881	1-216-009-91	RES,CHIP 22 5% 1/10W	
R882	1-216-009-91	RES,CHIP 22 5% 1/10W	
R883	1-216-009-91	RES,CHIP 22 5% 1/10W	
R884	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R885	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R886	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R887	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R888	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R889	1-216-037-00	RES,CHIP 330 5% 1/10W	

Ref.No.	Part No.	Description			Remark
R895	1-216-049-91	RES,CHIP	1K	5%	1/10W
R896	1-216-049-91	RES,CHIP	1K	5%	1/10W
R897	1-216-049-91	RES,CHIP	1K	5%	1/10W
R898	1-216-049-91	RES,CHIP	1K	5%	1/10W
R899	1-216-295-91	SHORT	0		

<CRYSTAL>

Ref.No.	Part No.	Description
X871	1-577-358-21	VIBRATOR, CERAMIC (4MHz)

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* A-1372-453-A H6 MOUNT
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<CONNECTOR>

Ref.No.	Part No.	Description
CN701	1-506-468-11	PIN, CONNECTOR 3P
CN702	1-506-473-11	PIN, CONNECTOR 8P
CN703	1-506-475-11	PIN, CONNECTOR 10P
CN708	1-506-472-11	PIN, CONNECTOR 7P
CN709	1-506-474-11	PIN, CONNECTOR 9P
CN710	* 1-564-005-11	PIN, CONNECTOR 6P

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* A-1372-454-A H5 MOUNT
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Ref.No.	Part No.	Description
CN201	1-774-525-11	SOCKET, CONNECTOR 64P
CN202	1-774-525-11	SOCKET, CONNECTOR 64P
CN203	1-569-922-11	SOCKET, CONNECTOR 30P
CN204	1-569-922-11	SOCKET, CONNECTOR 30P
CN205	1-569-922-11	SOCKET, CONNECTOR 30P
CN206	1-506-485-11	PIN, CONNECTOR 6P
CN207	1-506-485-11	PIN, CONNECTOR 6P

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* A-1372-455-A H1 MOUNT
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<CAPACITOR>

Ref.No.	Part No.	Description			Remark
C101	1-128-526-11	ELECT	100μF	20%	16V
C102	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C103	1-104-664-11	ELECT	47μF	20%	16V
C104	1-104-664-11	ELECT	47μF	20%	16V
C105	1-128-526-11	ELECT	100μF	20%	16V
C106	1-163-113-00	CERAMIC CHIP	68pF	5%	50V
C107	1-104-664-11	ELECT	47μF	20%	16V
C108	1-104-664-11	ELECT	47μF	20%	16V
C109	1-104-664-11	ELECT	47μF	20%	16V
C110	1-104-664-11	ELECT	47μF	20%	16V
C111	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C112	1-107-701-11	ELECT	47μF	20%	16V
C113	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C114	1-104-664-11	ELECT	47μF	20%	16V
C115	1-104-664-11	ELECT	47μF	20%	16V
C116	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C117	1-107-701-11	ELECT	47μF	20%	16V
C118	1-104-664-11	ELECT	47μF	20%	16V
C119	1-104-664-11	ELECT	47μF	20%	16V
C120	1-128-526-11	ELECT	100μF	20%	16V
C121	1-163-113-00	CERAMIC CHIP	68pF	5%	50V
C122	1-104-664-11	ELECT	47μF	20%	16V
C123	1-104-664-11	ELECT	47μF	20%	16V
C124	1-104-664-11	ELECT	47μF	20%	16V
C125	1-104-664-11	ELECT	47μF	20%	16V
C126	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C127	1-107-701-11	ELECT	47μF	20%	16V
C128	1-107-716-11	ELECT	33μF	20%	16V
C129	1-107-716-11	ELECT	33μF	20%	16V
C130	1-107-716-11	ELECT	33μF	20%	16V
C131	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C132	1-128-526-11	ELECT	100μF	20%	16V
C133	1-128-526-11	ELECT	100μF	20%	16V
C134	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C135	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C136	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C137	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C138	1-104-664-11	ELECT	47μF	20%	16V
C139	1-163-263-11	CERAMIC CHIP	330pF	5%	50V
C140	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C141	1-126-933-11	ELECT	100μF	20%	16V
C142	1-126-933-11	ELECT	100μF	20%	16V
C143	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C144	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C145	1-104-664-11	ELECT	47μF	20%	25V
C146	1-163-253-11	CERAMIC CHIP	120pF	5%	50V
C147	1-163-253-11	CERAMIC CHIP	120pF	5%	50V
C148	1-163-253-11	CERAMIC CHIP	120pF	5%	50V
C181	1-136-177-00	MYLAR	1μF	5%	50V
C182	1-136-177-00	MYLAR	1μF	5%	50V
C183	1-136-177-00	MYLAR	1μF	5%	50V
C184	1-136-177-00	MYLAR	1μF	5%	50V
C187	1-104-665-11	ELECT	100μF	20%	10V
C191	1-136-177-00	MYLAR	1μF	5%	50V
C192	1-136-177-00	MYLAR	1μF	5%	50V
C193	1-136-177-00	MYLAR	1μF	5%	50V
C194	1-136-177-00	MYLAR	1μF	5%	50V
C200	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C201	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V

<CONNECTOR>

Ref.No.	Part No.	Description
CN101	* 1-506-477-11	PIN, CONNECTOR 12P
CN102	1-506-473-11	PIN, CONNECTOR 8P
CN103	* 1-564-005-11	PIN, CONNECTOR 6P
CN104	* 1-774-523-11	PIN, CONNECTOR (PC BOARD) 64P
CN105	1-506-472-11	PIN, CONNECTOR 7P

<DIODE>

Ref.No.	Part No.	Description
D101	8-719-105-91	DIODE RD5.6M-B2

Ref.No.	Part No.	Description	Remark
D102	8-719-105-91	DIODE RD5.6M-B2	
D103	8-719-105-91	DIODE RD5.6M-B2	
D104	8-719-105-91	DIODE RD5.6M-B2	
D181	8-719-073-01	DIODE MA111-(K8).S0	
D182	8-719-073-01	DIODE MA111-(K8).S0	
D183	8-719-073-01	DIODE MA111-(K8).S0	
D184	8-719-158-49	DIODE RD12SB2	
D191	8-719-073-01	DIODE MA111-(K8).S0	
D192	8-719-073-01	DIODE MA111-(K8).S0	
D193	8-719-073-01	DIODE MA111-(K8).S0	
D194	8-719-158-49	DIODE RD12SB2	
	<IC>		
IC101	8-759-360-07	IC BA7657F-E2	
IC102	8-759-383-61	IC TL026CPS-E05	
IC103	8-759-383-61	IC TL026CPS-E05	
IC104	8-759-970-89	IC BA10358F	
IC105	8-759-390-38	IC μPC24M12AHF	
IC106	8-759-366-35	IC TC4W66F (TE12R)	
IC107	8-759-366-35	IC TC4W66F (TE12R)	
	<CHIP CONDUCTOR>		
JR102	1-216-295-91	SHORT 0	
	<COIL>		
L101	1-408-615-31	INDUCTOR 100μH	
	<TRANSISTOR>		
Q101	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q102	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q103	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q104	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q105	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q106	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q107	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q108	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q109	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q110	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q111	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q112	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q113	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q114	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q181	8-729-216-22	TRANSISTOR 2SA1162-G	
Q182	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q191	8-729-216-22	TRANSISTOR 2SA1162-G	
Q192	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q200	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q201	1-801-806-11	TRANSISTOR DTC144EKA-T146	
	<RESISTOR>		
R101	1-216-675-91	METAL CHIP 10K 0.50% 1/10W	
R102	1-216-669-11	METAL CHIP 5.6K 0.50% 1/10W	
R103	1-216-649-11	METAL CHIP 820 0.50% 1/10W	
R104	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R105	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	

Ref.No.	Part No.	Description	Remark
R106	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R107	1-216-639-11	METAL CHIP 330 0.50% 1/10W	
R108	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R109	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R110	1-216-639-11	METAL CHIP 330 0.50% 1/10W	
R111	1-216-669-11	METAL CHIP 5.6K 0.50% 1/10W	
R112	1-216-669-11	METAL CHIP 5.6K 0.50% 1/10W	
R113	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R114	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R115	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R116	1-216-641-11	METAL CHIP 390 0.50% 1/10W	
R117	1-216-619-11	METAL CHIP 47 0.50% 1/10W	
R118	1-216-641-11	METAL CHIP 390 0.50% 1/10W	
R119	1-216-645-11	METAL CHIP 560 0.50% 1/10W	
R120	1-216-643-11	METAL CHIP 470 0.50% 1/10W	
R121	1-216-675-91	METAL CHIP 10K 0.50% 1/10W	
R122	1-216-669-11	METAL CHIP 5.6K 0.50% 1/10W	
R123	1-216-657-11	METAL CHIP 1.8K 0.50% 1/10W	
R124	1-216-675-91	METAL CHIP 10K 0.50% 1/10W	
R125	1-216-669-11	METAL CHIP 5.6K 0.50% 1/10W	
R126	1-216-649-11	METAL CHIP 820 0.50% 1/10W	
R127	1-216-633-11	METAL CHIP 180 0.50% 1/10W	
R128	1-216-649-11	METAL CHIP 820 0.50% 1/10W	
R129	1-216-619-11	METAL CHIP 47 0.50% 1/10W	
R130	1-216-641-11	METAL CHIP 390 0.50% 1/10W	
R131	1-216-637-11	METAL CHIP 270 0.50% 1/10W	
R132	1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W	
R133	1-216-645-11	METAL CHIP 560 0.50% 1/10W	
R134	1-216-643-11	METAL CHIP 470 0.50% 1/10W	
R135	1-216-675-91	METAL CHIP 10K 0.50% 1/10W	
R136	1-216-669-11	METAL CHIP 5.6K 0.50% 1/10W	
R137	1-216-657-11	METAL CHIP 1.8K 0.50% 1/10W	
R138	1-216-675-91	METAL CHIP 10K 0.50% 1/10W	
R139	1-216-669-11	METAL CHIP 5.6K 0.50% 1/10W	
R140	1-216-649-11	METAL CHIP 820 0.50% 1/10W	
R141	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R142	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R143	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R144	1-216-639-11	METAL CHIP 330 0.50% 1/10W	
R145	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R146	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R147	1-216-639-11	METAL CHIP 330 0.50% 1/10W	
R148	1-216-669-11	METAL CHIP 5.6K 0.50% 1/10W	
R149	1-216-669-11	METAL CHIP 5.6K 0.50% 1/10W	
R150	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R151	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R152	1-216-619-11	METAL CHIP 47 0.50% 1/10W	
R153	1-216-641-11	METAL CHIP 390 0.50% 1/10W	
R154	1-216-619-11	METAL CHIP 47 0.50% 1/10W	
R155	1-216-639-11	METAL CHIP 330 0.50% 1/10W	
R156	1-216-645-11	METAL CHIP 560 0.50% 1/10W	
R157	1-216-643-11	METAL CHIP 470 0.50% 1/10W	
R158	1-216-675-91	METAL CHIP 10K 0.50% 1/10W	
R159	1-216-669-11	METAL CHIP 5.6K 0.50% 1/10W	
R160	1-216-657-11	METAL CHIP 1.8K 0.50% 1/10W	
R161	1-218-776-11	METAL CHIP 1M 0.50% 1/10W	
R162	1-218-776-11	METAL CHIP 1M 0.50% 1/10W	
R163	1-218-776-11	METAL CHIP 1M 0.50% 1/10W	
R164	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R165	1-216-627-11	METAL CHIP 100 0.50% 1/10W	

H1 **UA**

Ref.No.	Part No.	Description		Remark
R166	1-216-619-11	METAL CHIP	47	0.50% 1/10W
R167	1-216-619-11	METAL CHIP	47	0.50% 1/10W
R168	1-216-619-11	METAL CHIP	47	0.50% 1/10W
R169	1-216-631-11	METAL CHIP	150	0.50% 1/10W
R170	1-216-631-11	METAL CHIP	150	0.50% 1/10W
R171	1-216-631-11	METAL CHIP	150	0.50% 1/10W
R172	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R173	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R174	1-216-681-11	METAL CHIP	18K	0.50% 1/10W
R175	1-216-657-11	METAL CHIP	1.8K	0.50% 1/10W
R176	1-216-669-11	METAL CHIP	5.6K	0.50% 1/10W
R177	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R178	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R179	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R180	1-216-677-11	METAL CHIP	12K	0.50% 1/10W
R181	1-216-651-11	METAL CHIP	1K	0.50% 1/10W
R182	1-216-619-11	METAL CHIP	47	0.50% 1/10W
R183	1-216-629-11	METAL CHIP	120	0.50% 1/10W
R184	1-216-629-11	METAL CHIP	120	0.50% 1/10W
R185	1-216-629-11	METAL CHIP	120	0.50% 1/10W
R188	1-216-081-00	RES,CHIP	22K	5% 1/10W
R191	1-216-699-91	METAL CHIP	100K	0.50% 1/10W
R192	1-216-693-11	METAL CHIP	56K	0.50% 1/10W
R193	1-216-695-11	METAL CHIP	68K	0.50% 1/10W
R194	1-216-659-11	METAL CHIP	2.2K	0.50% 1/10W
R195	1-216-651-11	METAL CHIP	1K	0.50% 1/10W
R196	1-216-651-11	METAL CHIP	1K	0.50% 1/10W
R197	1-216-679-11	METAL CHIP	15K	0.50% 1/10W
R201	1-216-699-91	METAL CHIP	100K	0.50% 1/10W
R202	1-216-693-11	METAL CHIP	56K	0.50% 1/10W
R203	1-216-695-11	METAL CHIP	68K	0.50% 1/10W
R204	1-216-659-11	METAL CHIP	2.2K	0.50% 1/10W
R205	1-216-651-11	METAL CHIP	1K	0.50% 1/10W
R206	1-216-651-11	METAL CHIP	1K	0.50% 1/10W
R207	1-216-679-11	METAL CHIP	15K	0.50% 1/10W
R210	1-216-619-11	METAL CHIP	47	0.50% 1/10W
R211	1-216-645-11	METAL CHIP	560	0.50% 1/10W
R212	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R213	1-216-657-11	METAL CHIP	1.8K	0.50% 1/10W
R214	1-216-613-11	METAL CHIP	27	0.50% 1/10W
R215	1-216-649-11	METAL CHIP	820	0.50% 1/10W
R216	1-216-653-11	METAL CHIP	1.2K	0.50% 1/10W
R217	1-216-671-11	METAL CHIP	6.8K	0.50% 1/10W
R218	1-216-675-91	METAL CHIP	10K	0.50% 1/10W
R219	1-216-675-91	METAL CHIP	10K	0.50% 1/10W

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* A-1373-670-A UA MOUNT
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<CAPACITOR>

C1101	1-126-382-11	ELECT	100μF	20%	6.3V
C1102	1-163-031-11	CERAMIC CHIP	0.01μF		50V

Ref.No.	Part No.	Description	Remark

<CONNECTOR>

CN1101	* 1-564-519-11	PLUG, CONNECTOR"	4P
CN1102	* 1-564-524-11	PLUG, CONNECTOR"	9P

<DIODE>

D1101	8-719-110-17	DIODE RD10ESB2
D1102	8-719-110-17	DIODE RD10ESB2
D1103	8-719-073-01	DIODE MA111-(K8).S0
D1111	8-719-150-92	DIODE RD33EB3T
D1112	8-719-150-92	DIODE RD33EB3T
D1113	8-719-150-92	DIODE RD33EB3T
D1114	8-719-150-92	DIODE RD33EB3T
D1115	8-719-110-17	DIODE RD10ESB2
D1116	8-719-110-17	DIODE RD10ESB2

<JACK>

J1101	1-573-969-11	JACK BLOCK, PIN (MONITOR OUT, AUDIO L/R)
J1102	1-695-605-11	JACK, MINIATURE (CONTROL S, OUT)
J1103	1-695-605-11	JACK, MINIATURE (CONTROL S, IN)

<COIL>

L1101	1-422-613-11	COIL, AIR CORE
L1102	1-422-613-11	COIL, AIR CORE
L1103	1-422-613-11	COIL, AIR CORE
L1104	1-422-613-11	COIL, AIR CORE

<TRANSISTOR>

Q1101	8-729-027-38	TRANSISTOR DTA144EKA-T146
Q1102	1-801-806-11	TRANSISTOR DTC144EKA-T146
Q1103	8-729-120-28	TRANSISTOR 2SC1623-L5L6

<RESISTOR>

R1101	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1102	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1103	1-216-025-91	RES,CHIP	100	5%	1/10W
R1104	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1105	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1106	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1107	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1108	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1111	1-216-025-91	RES,CHIP	100	5%	1/10W
R1112	1-216-025-91	RES,CHIP	100	5%	1/10W

<TERMINAL BOARD>

TB1101	1-537-187-11	TERMINAL, PUSH (4P) (SPEAKERS 6-16 Ω, L/R)

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Ref.No.	Part No.	Description	Remark
	* A-1373-671-A	UJ MOUNT ***********	

<CAPACITOR>

Ref.No.	Part No.	Description	Remark
C901	1-126-786-11	ELECT 47μF 20% 16V	
C902	1-126-786-11	ELECT 47μF 20% 16V	
C903	1-163-021-91	CERAMIC CHIP 0.01μF 10% 50V	
C904	1-126-791-11	ELECT 10μF 20% 16V	
C905	1-126-791-11	ELECT 10μF 20% 16V	
C921	1-126-786-11	ELECT 47μF 20% 16V	
C922	1-164-004-11	CERAMIC CHIP 0.1μF 10% 25V	
C923	1-126-786-11	ELECT 47μF 20% 16V	
C924	1-164-004-11	CERAMIC CHIP 0.1μF 10% 25V	
C925	1-126-786-11	ELECT 47μF 20% 16V	
C926	1-164-004-11	CERAMIC CHIP 0.1μF 10% 25V	
C927	1-107-714-11	ELECT 10μF 20% 16V	
C928	1-107-701-11	ELECT 47μF 20% 16V	
C929	1-126-791-11	ELECT 10μF 20% 16V	
C930	1-126-791-11	ELECT 10μF 20% 16V	
C931	1-126-786-11	ELECT 47μF 20% 16V	
C932	1-164-004-11	CERAMIC CHIP 0.1μF 10% 25V	
C933	1-126-786-11	ELECT 47μF 20% 16V	
C934	1-164-004-11	CERAMIC CHIP 0.1μF 10% 25V	
C935	1-126-786-11	ELECT 47μF 20% 16V	
C936	1-164-004-11	CERAMIC CHIP 0.1μF 10% 25V	
C937	1-107-714-11	ELECT 10μF 20% 16V	
C938	1-107-701-11	ELECT 47μF 20% 16V	
C939	1-126-791-11	ELECT 10μF 20% 16V	
C940	1-126-791-11	ELECT 10μF 20% 16V	
C941	1-164-004-11	CERAMIC CHIP 0.1μF 10% 25V	
C951	1-165-319-11	CERAMIC CHIP 0.1μF 50V	
C952	1-126-786-11	ELECT 47μF 20% 16V	
C953	1-165-319-11	CERAMIC CHIP 0.1μF 50V	
C971	1-164-004-11	CERAMIC CHIP 0.1μF 10% 25V	
C972	1-164-004-11	CERAMIC CHIP 0.1μF 10% 25V	
C973	1-164-004-11	CERAMIC CHIP 0.1μF 10% 25V	
C974	1-126-786-11	ELECT 47μF 20% 16V	
C981	1-164-004-11	CERAMIC CHIP 0.1μF 10% 25V	
C982	1-164-004-11	CERAMIC CHIP 0.1μF 10% 25V	
C990	1-164-004-11	CERAMIC CHIP 0.1μF 10% 25V	
C991	1-164-004-11	CERAMIC CHIP 0.1μF 10% 25V	

<CONNECTOR>

Ref.No.	Part No.	Description	Remark
CN901	1-506-485-11	PIN, CONNECTOR 6P	
CN902	1-506-494-11	PIN, CONNECTOR 15P	
CN903	1-506-491-11	PIN, CONNECTOR 12P	
CN905	1-750-628-11	SOCKET, DIN 8P (REMOTE, RS-232C)	

<DIODE>

Ref.No.	Part No.	Description	Remark
D901	8-719-402-16	DIODE MA3100-TX	
D902	8-719-402-16	DIODE MA3100-TX	
D903	8-719-402-16	DIODE MA3100-TX	
D904	8-719-402-16	DIODE MA3100-TX	
D905	8-719-402-16	DIODE MA3100-TX	
D921	8-719-800-76	DIODE 1SS226	
D922	8-719-800-76	DIODE 1SS226	
D923	8-719-800-76	DIODE 1SS226	
D926	8-719-402-16	DIODE MA3100-TX	
D927	8-719-402-16	DIODE MA3100-TX	
D928	8-719-800-76	DIODE 1SS226	
D929	8-719-800-76	DIODE 1SS226	
D930	8-719-800-76	DIODE 1SS226	
D933	8-719-402-16	DIODE MA3100-TX	
D934	8-719-402-16	DIODE MA3100-TX	
D940	8-719-976-96	DIODE DTZ4.7C	
D941	8-719-976-96	DIODE DTZ4.7C	
D942	8-719-976-96	DIODE DTZ4.7C	
D943	8-719-976-96	DIODE DTZ4.7C	
D944	8-719-976-96	DIODE DTZ4.7C	
D945	8-719-976-96	DIODE DTZ4.7C	
D946	8-719-976-96	DIODE DTZ4.7C	
D947	8-719-976-96	DIODE DTZ4.7C	
D951	8-719-025-47	DIODE 02CZ12-TE85L	
D952	8-719-025-47	DIODE 02CZ12-TE85L	
D953	8-719-025-47	DIODE 02CZ12-TE85L	
D954	8-719-025-47	DIODE 02CZ12-TE85L	

<IC>

Ref.No.	Part No.	Description	Remark
IC903	8-759-446-66	IC MM1113XFBE	
IC904	8-759-446-66	IC MM1113XFBE	
IC905	8-759-360-07	IC BA7657F-E2	
IC906	8-759-011-64	IC MC74HC4052F	

<JACK>

Ref.No.	Part No.	Description	Remark
J901	1-694-453-11	TERMINAL BOARD ASSY, I/O (LINE/RGB2, IN/OUT)	
J903	1-569-578-11	TERMINAL, S (WITH SW) (LINE, Y/C OUT)	
J905	1-694-452-11	TERMINAL BOARD ASSY, I/O (RGB1, IN/OUT)	

<TRANSISTOR>

Ref.No.	Part No.	Description	Remark
Q901	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q902	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q903	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q904	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q905	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q906	8-729-120-28	TRANSISTOR 2SC1623-L5L6	

<RESISTOR>

Ref.No.	Part No.	Description	Remark
R901	1-216-295-91	SHORT 0	
R902	1-216-295-91	SHORT 0	
R903	1-216-025-91	RES,CHIP 100 5% 1/10W	
R905	1-215-394-00	METAL 75 1% 1/4W	
R906	1-216-624-11	METAL CHIP 75 0.50% 1/10W	
R907	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R909	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R915	1-216-624-11	METAL CHIP 75 0.50% 1/10W	
R916	1-216-624-11	METAL CHIP 75 0.50% 1/10W	
R917	1-216-624-11	METAL CHIP 75 0.50% 1/10W	
R918	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R919	1-216-033-00	RES,CHIP 220 5% 1/10W	
R921	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R922	1-216-033-00	RES,CHIP 220 5% 1/10W	

Ref.No.	Part No.	Description			Remark
R924	1-216-089-91	RES,CHIP	47K	5%	1/10W
R926	1-216-089-91	RES,CHIP	47K	5%	1/10W
R928	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R929	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R930	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R931	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R932	1-216-033-00	RES,CHIP	220	5%	1/10W
R934	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R935	1-216-033-00	RES,CHIP	220	5%	1/10W
R937	1-216-089-91	RES,CHIP	47K	5%	1/10W
R939	1-216-089-91	RES,CHIP	47K	5%	1/10W
R941	1-216-081-00	RES,CHIP	22K	5%	1/10W
R942	1-216-081-00	RES,CHIP	22K	5%	1/10W
R943	1-216-121-91	RES,CHIP	1M	5%	1/10W
R944	1-216-121-91	RES,CHIP	1M	5%	1/10W
R945	1-216-121-91	RES,CHIP	1M	5%	1/10W
R946	1-216-295-91	SHORT	0		
R947	1-216-295-91	SHORT	0		
R948	1-216-295-91	SHORT	0		
R949	1-216-073-00	RES,CHIP	10K	5%	1/10W
R950	1-216-073-00	RES,CHIP	10K	5%	1/10W
R951	1-216-073-00	RES,CHIP	10K	5%	1/10W
R952	1-216-073-00	RES,CHIP	10K	5%	1/10W
R971	1-216-073-00	RES,CHIP	10K	5%	1/10W
R985	1-216-025-91	RES,CHIP	100	5%	1/10W
R986	1-216-025-91	RES,CHIP	100	5%	1/10W
R987	1-216-295-91	SHORT	0		
R988	1-216-295-91	SHORT	0		
R990	1-216-295-91	SHORT	0		
R991	1-215-394-00	METAL	75	1%	1/4W
R995	1-216-025-91	RES,CHIP	100	5%	1/10W
R996	1-216-025-91	RES,CHIP	100	5%	1/10W

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* A-1373-737-A YM MOUNT
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<CAPACITOR>

C6501	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C6502	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C6503	1-163-275-11	CERAMIC CHIP	0.001µF	5%	50V
C6504	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C6506	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C6507	1-126-968-11	ELECT	100µF	20%	50V
C6509	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C6510	1-126-396-11	ELECT CHIP	47µF	20%	16V
C6511	1-126-396-11	ELECT CHIP	47µF	20%	16V
C6514	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C6515	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C6516	1-164-346-11	CERAMIC CHIP	1µF		16V
C6517	1-126-394-11	ELECT CHIP	10µF	20%	16V

<CONNECTOR>

CN6501	1-774-552-11	CONNECTOR, BOARD TO BOARD 10P
CN6502	1-774-552-11	CONNECTOR, BOARD TO BOARD 10P
CN6503	* 1-564-005-11	PIN, CONNECTOR 6P
CN6504	1-506-480-11	PIN, CONNECTOR 15P

<DIODE>

D6501	8-719-059-22	DIODE NSQ03A06-TE16L

<FERRITE BEAD>

FB6501	1-410-396-41	FERRITE	0.45µH

<IC>

IC6501	8-759-981-65	IC LM2903M
IC6502	8-759-970-89	IC BA10358F

<COIL>

L6501	1-406-666-21	INDUCTOR	150µH
L6502	1-406-666-21	INDUCTOR	150µH

<TRANSISTOR>

Q6501	8-729-041-37	TRANSISTOR 2SJ377 (TE16L)
Q6502	8-729-120-28	TRANSISTOR 2SC1623-L5L6
Q6503	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R
Q6504	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R
Q6505	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R
Q6506	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R

<RESISTOR>

R6501	1-216-071-00	RES,CHIP	8.2K	5%	1/10W
R6503	1-216-295-91	SHORT	0		
R6504	1-216-025-91	RES,CHIP	100	5%	1/10W
R6505	1-216-059-00	RES,CHIP	2.7K	5%	1/10W
R6506	1-249-381-11	CARBON	1	5%	1/4W F
R6507	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6508	1-216-001-00	RES,CHIP	10	5%	1/10W
R6509	1-218-753-11	METAL CHIP	110K	0.50%	1/10W
R6510	1-216-687-11	METAL CHIP	33K	0.50%	1/10W
R6511	1-218-753-11	METAL CHIP	110K	0.50%	1/10W
R6513	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R6514	1-216-699-91	METAL CHIP	100K	0.50%	1/10W
R6515	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R6516	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R6517	1-216-673-11	METAL CHIP	8.2K	0.50%	1/10W
R6522	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R6523	1-216-691-11	METAL CHIP	47K	0.50%	1/10W
R6524	1-216-075-00	RES,CHIP	12K	5%	1/10W
R6525	1-216-295-91	SHORT	0		
R6526	1-216-295-91	SHORT	0		

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Ref.No.	Part No.	Description			Remark
	* A-1380-574-A	K MOUNT **********			
	3-961-055-01	SCREW (3X8) (EXT TOOTH)			
	7-682-949-09	SCREW +PSW 3X10			
	<CAPACITOR>				
C501	1-104-664-11	ELECT	47µF	20%	16V
C502	1-163-035-00	CERAMIC CHIP	0.047µF		50V
C503	1-126-394-11	ELECT CHIP	10µF	20%	16V
C504	1-126-394-11	ELECT CHIP	10µF	20%	16V
C505	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C506	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C507	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C508	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C509	1-126-394-11	ELECT CHIP	10µF	20%	16V
C510	1-126-394-11	ELECT CHIP	10µF	20%	16V
C511	1-126-401-21	ELECT CHIP	1µF	20%	50V
C512	1-126-396-11	ELECT CHIP	47µF	20%	16V
C513	1-126-401-21	ELECT CHIP	1µF	20%	50V
C514	1-126-401-21	ELECT CHIP	1µF	20%	50V
C515	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C516	1-126-401-21	ELECT CHIP	1µF	20%	50V
C517	1-126-398-11	ELECT CHIP	4.7µF	20%	35V
C518	1-126-964-11	ELECT	10µF	20%	50V
C519	1-126-964-11	ELECT	10µF	20%	50V
C520	1-126-964-11	ELECT	10µF	20%	50V
C521	1-126-964-11	ELECT	10µF	20%	50V
C522	1-126-953-11	ELECT	2200µF	20%	35V
C523	1-107-909-11	ELECT	47µF	20%	35V
C524	1-126-964-11	ELECT	10µF	20%	50V
C525	1-126-964-11	ELECT	10µF	20%	50V
C526	1-126-947-11	ELECT	47µF	20%	35V
C527	1-126-947-11	ELECT	47µF	20%	35V
C528	1-126-947-11	ELECT	47µF	20%	35V
C529	1-126-953-11	ELECT	2200µF	20%	35V
C530	1-126-953-11	ELECT	2200µF	20%	35V
C531	1-136-165-00	MYLAR	0.1µF	5%	50V
C532	1-136-165-00	MYLAR	0.1µF	5%	50V
C533	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C534	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C535	1-163-133-00	CERAMIC CHIP	470pF	5%	50V
C536	1-163-133-00	CERAMIC CHIP	470pF	5%	50V
C537	1-126-964-11	ELECT	10µF	20%	50V
C538	1-104-664-11	ELECT	47µF	20%	16V
C539	1-104-664-11	ELECT	47µF	20%	16V
	<CONNECTOR>				
CN501	1-506-472-11	PIN, CONNECTOR 7P			
CN502	1-506-469-11	PIN, CONNECTOR 4P			
CN503	1-506-474-11	PIN, CONNECTOR 9P			
	<DIODE>				
D501	8-719-073-01	DIODE MA111-(K8).S0			
D502	8-719-110-83	DIODE RD36ESB2			
D503	8-719-510-48	DIODE D1N20R			
D504	8-719-510-48	DIODE D1N20R			

Ref.No.	Part No.	Description			Remark
	<IC>				
IC501	8-759-346-93	IC TA8184F(EL)			
IC502	8-759-168-24	IC TA8200AH			
	<COIL>				
L501	1-408-615-31	INDUCTOR	100µH		
	<TRANSISTOR>				
Q501	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q502	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q503	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q504	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q505	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
	<RESISTOR>				
R501	1-216-033-00	RES,CHIP	220	5%	1/10W
R502	1-216-033-00	RES,CHIP	220	5%	1/10W
R503	1-216-049-91	RES,CHIP	1K	5%	1/10W
R504	1-216-081-00	RES,CHIP	22K	5%	1/10W
R505	1-216-097-91	RES,CHIP	100K	5%	1/10W
R506	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
R507	1-216-081-00	RES,CHIP	22K	5%	1/10W
R508	1-216-081-00	RES,CHIP	22K	5%	1/10W
R509	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
R510	1-216-081-00	RES,CHIP	22K	5%	1/10W
R511	1-216-081-00	RES,CHIP	22K	5%	1/10W
R512	1-216-089-91	RES,CHIP	47K	5%	1/10W
R513	1-216-089-91	RES,CHIP	47K	5%	1/10W
R514	1-216-081-00	RES,CHIP	22K	5%	1/10W
R515	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R516	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R517	1-216-033-00	RES,CHIP	220	5%	1/10W
R518	1-216-033-00	RES,CHIP	220	5%	1/10W
R519	1-216-019-00	RES,CHIP	56	5%	1/10W
R520	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R521	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R522	1-216-019-00	RES,CHIP	56	5%	1/10W
R523	1-216-097-91	RES,CHIP	100K	5%	1/10W
R524	1-249-385-11	CARBON	2.2	5%	1/4W F
R525	1-216-097-91	RES,CHIP	100K	5%	1/10W
R526	1-216-097-91	RES,CHIP	100K	5%	1/10W
R527	1-249-385-11	CARBON	2.2	5%	1/4W F
R528	1-216-081-00	RES,CHIP	22K	5%	1/10W
R529	1-216-081-00	RES,CHIP	22K	5%	1/10W

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S1 APS-132 M

Ref.No.	Part No.	Description	Remark
	* A-1390-878-A	S1 MOUNT ***********	
		<CAPACITOR>	
C1201	1-126-392-11	ELECT CHIP 100µF 20% 6.3V	
C1202	1-163-021-91	CERAMIC CHIP 0.01µF 10% 50V	
C1203	1-163-021-91	CERAMIC CHIP 0.01µF 10% 50V	
C1204	1-163-021-91	CERAMIC CHIP 0.01µF 10% 50V	
C1205	1-163-021-91	CERAMIC CHIP 0.01µF 10% 50V	
C1206	1-126-933-11	ELECT 100µF 20% 16V	
C1207	1-136-177-00	MYLAR 1µF 5% 50V	
C1208	1-164-004-11	CERAMIC CHIP 0.1µF 10% 25V	
C1210	1-163-021-91	CERAMIC CHIP 0.01µF 10% 50V	
		<CONNECTOR>	
CN1201	1-506-472-11	PIN, CONNECTOR 7P	
CN1202	1-506-468-11	PIN, CONNECTOR 3P	
		<IC>	
IC1201	8-759-947-34	IC LM35DZ	
IC1202	8-759-510-71	IC BA10358F-E2	
IC1203	8-759-198-31	IC µPC1093J-1-T	
IC1204	8-759-981-48	TL082M	
		<RESISTOR>	
R1201	1-216-627-11	METAL CHIP 100 0.50% 1/10W	
R1202	1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W	
R1203	1-216-671-11	METAL CHIP 6.8K 0.50% 1/10W	
R1204	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1205	1-216-065-91	RES,CHIP 4.7K 5% 1/10W	
R1208	1-218-770-11	METAL CHIP 560K 0.50% 1/10W	
R1210	1-216-295-91	SHORT 0	
R1212	1-216-295-91	SHORT 0	
		**	
	* 1-468-447-11	SWITCHING REGULATOR (APS-132 M BOARD) ************************	
		HEAT SINK A ASSY	
	2-434-993-21	SCREW (3X6), RS TIGHT SPRING WASHER	
		<DIODE>	
D101	⚠8-719-073-32	DIODE D25XB60	
D102	8-719-073-56	TRIAC BT139X-600	
D104	8-719-073-58	DIODE 20JL2C41A	
D105	8-719-073-58	DIODE 20JL2C41A	
		<TRANSISTOR>	
Q100	8-729-035-65	TRANSISTOR 2SK2370(2)	
Q101	8-729-035-65	TRANSISTOR 2SK2370(2)	
Q102	8-729-035-65	TRANSISTOR 2SK2370(2)	
		<THERMISTOR>	
THP100	1-809-789-61	THERMISTOR, POSITIVE	
THP101	1-809-789-51	THERMISTOR, POSITIVE	
		HEAT SINK B ASSY	
	2-434-993-21	SCREW (3X6), RS TIGHT SPRING WASHER	
		<TRANSISTOR>	
Q502	8-729-035-65	TRANSISTOR 2SK2370(2)	
Q503	8-729-035-65	TRANSISTOR 2SK2370(2)	
Q702	8-729-035-65	TRANSISTOR 2SK2370(2)	
Q703	8-729-035-65	TRANSISTOR 2SK2370(2)	
		HEAT SINK C ASSY	
	2-434-993-21	SCREW (3X6), RS TIGHT SPRING WASHER	
	2-625-794-01	RUBBER (TO-3P), INSULATING	
		<DIODE>	
D200	8-719-062-31	DIODE 20DL2C41A	
D250	8-719-061-49	DIODE FCH20A10	
D251	8-719-075-55	DIODE FCH30A06	
D252	8-719-074-61	DIODE FCH30A04	
		<IC>	
IC251	8-759-098-24	IC PQ30RV11	
IC253	8-759-098-24	IC PQ30RV11	
IC254	8-759-284-06	IC PQ30RV31	
		<TRANSISTOR>	
Q204	8-729-047-67	TRANSISTOR 2SK3142-01	
Q207	8-729-047-67	TRANSISTOR 2SK3142-01	
		HEAT SINK D ASSY	
	2-434-993-21	SCREW (3X6), RS TIGHT SPRING WASHER	
		<TRANSISTOR>	
Q105	8-729-047-46	TRANSISTOR FS7KM-16A	
Q152	8-729-039-41	TRANSISTOR FS10KM-10	
Q153	8-729-039-41	TRANSISTOR FS10KM-10	
		HEAT SINK E ASSY	
	2-434-993-21	SCREW (3X6), RS TIGHT SPRING WASHER	
		<DIODE>	
D400	8-719-073-58	DIODE 20JL2C41A	
D401	8-719-073-58	DIODE 20JL2C41A	
D604	8-719-077-10	DIODE 20FL2C41A	

APS-132 M

Ref.No.	Part No.	Description			Remark
	<CAPACITOR>				
C100	⚠1-115-380-91	CERAMIC	100pF	10%	125V
C101	⚠1-115-380-91	CERAMIC	100pF	10%	125V
C102	⚠1-113-920-91	CERAMIC	2200pF	20%	250V
C103	⚠1-113-920-91	CERAMIC	2200pF	20%	250V
C104	⚠1-131-955-51	FILM	1.5μF	10%	275V
C105	⚠1-125-933-51	FILM	1μF	10%	275V
C107	⚠1-125-933-51	FILM	1μF	10%	275V
C108	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C109	1-127-822-51	FILM	1μF	10%	420V
C110	1-127-822-51	FILM	1μF	10%	420V
C111	1-127-822-51	FILM	1μF	10%	420V
C112	1-165-127-11	CERAMIC	470pF	10%	500V
C113	1-165-127-11	CERAMIC	470pF	10%	500V
C114	1-117-716-51	FILM	2.2μF	10%	420V
C115	1-131-942-11	ELECT	270μF	30%	450V
C116	1-131-942-11	ELECT	270μF	30%	450V
C117	1-113-920-11	CERAMIC	2200pF	20%	250V
C118	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C119	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C120	1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V
C121	1-163-263-91	CERAMIC CHIP	330pF	5%	50V
C122	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C123	1-164-645-11	CERAMIC	1000pF	10%	500V
C124	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V
C125	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C150	1-136-165-00	FILM	0.1μF	5%	50V
C151	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V
C152	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V
C153	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V
C154	1-107-909-11	ELECT	47μF	20%	50V
C155	1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V
C156	1-117-351-91	ELECT	82μF	20%	35V
C157	1-117-350-91	ELECT	56μF	20%	35V
C158	1-163-133-00	CERAMIC CHIP	470pF	5%	50V
C159	1-163-133-00	CERAMIC CHIP	470pF	5%	50V
C160	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C161	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V
C162	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V
C163	1-163-263-91	CERAMIC CHIP	330pF	5%	50V
C164	1-163-017-00	CERAMIC CHIP	4700pF	10%	50V
C165	1-117-350-91	ELECT	56μF	20%	35V
C166	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C167	1-127-761-11	FILM	0.0082μF	5%	1.25KV
C169	1-107-903-11	ELECT	2.2μF	20%	50V
C170	⚠1-113-924-91	CERAMIC	4700pF	20%	250V
C171	⚠1-113-924-91	CERAMIC	4700pF	20%	250V
C200	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C201	1-117-279-51	ELECT	3900μF	20%	10V
C202	1-117-350-91	ELECT	56μF	20%	35V
C204	1-117-279-51	ELECT	3900μF	20%	10V
C205	1-117-325-91	ELECT	330μF	20%	25V
C206	1-117-301-51	ELECT	820μF	20%	16V
C207	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C208	1-107-904-11	ELECT	3.3μF	20%	50V
C209	1-163-037-11	CERAMIC CHIP	0.022μF	10%	50V
C210	1-117-247-91	ELECT	820μF	20%	6.3V
C211	1-107-904-11	ELECT	3.3μF	20%	50V
C212	1-117-247-91	ELECT	820μF	20%	6.3V
C214	1-117-247-91	ELECT	820μF	20%	6.3V
C215	1-117-301-51	ELECT	820μF	20%	16V
C250	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C252	1-117-276-51	ELECT	1500μF	20%	10V
C253	1-117-329-51	ELECT	1500μF	20%	25V
C254	1-117-329-51	ELECT	1500μF	20%	25V
C255	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C256	1-117-344-51	ELECT	1000μF	20%	35V
C257	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C258	1-115-185-11	CERAMIC	0.033μF	10%	50V
C259	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C260	1-117-266-91	ELECT	470μF	20%	10V
C261	1-117-325-91	ELECT	330μF	20%	25V
C262	1-117-328-51	ELECT	820μF	20%	25V
C263	1-117-355-51	ELECT	560μF	20%	35V
C264	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C268	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C300	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C301	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C302	1-107-823-11	CERAMIC CHIP	0.47μF	10%	16V
C303	1-163-133-00	CERAMIC CHIP	470pF	5%	50V
C304	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V
C305	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V
C306	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V
C307	1-107-909-11	ELECT	47μF	20%	50V
C308	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C309	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C310	1-107-909-11	ELECT	47μF	20%	50V
C311	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C312	1-104-760-11	CERAMIC CHIP	0.047μF	10%	50V
C313	1-163-143-00	CERAMIC	1200pF	5%	50V
C314	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C315	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C316	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C317	1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V
C400	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C401	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C402	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C404	1-163-037-11	CERAMIC CHIP	0.022μF	10%	50V
C405	1-164-344-11	CERAMIC CHIP	0.068μF	10%	25V
C406	1-131-944-11	ELECT	470μF	20%	200V
C407	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C408	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C409	1-117-272-11	ELECT	180μF	20%	10V
C410	1-107-906-11	ELECT	10μF	20%	50V
C411	1-107-906-11	ELECT	10μF	20%	50V
C412	1-107-906-11	ELECT	10μF	20%	50V
C413	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C414	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C415	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C416	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C417	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C418	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C419	1-131-943-11	ELECT	1200μF	30%	200V
C420	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C422	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C423	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C500	1-127-822-51	FILM	1μF	10%	420V
C501	1-127-835-11	ELECT	22μF	20%	450V
C502	1-136-165-00	FILM	0.1μF	5%	50V
C503	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V

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Ref.No.	Part No.	Description			Remark
C504	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V
C505	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V
C506	1-107-909-11	ELECT	47µF	20%	50V
C507	1-163-133-00	CERAMIC CHIP	470pF	5%	50V
C508	1-163-133-00	CERAMIC CHIP	470pF	5%	50V
C509	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C510	1-115-340-11	CERAMIC CHIP	0.22µF	10%	25V
C511	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V
C512	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V
C513	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C514	1-163-263-91	CERAMIC CHIP	330pF	5%	50V
C515	1-115-340-11	CERAMIC CHIP	0.22µF	10%	25V
C516	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C517	1-131-924-11	FILM	0.068µF	5%	1.25KV
C518	1-131-924-11	FILM	0.068µF	5%	1.25KV
C519	1-131-924-11	FILM	0.068µF	5%	1.25KV
C600	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C601	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C602	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C604	1-131-945-11	ELECT	470µF	20%	100V
C605	1-104-760-11	CERAMIC CHIP	0.047µF	10%	50V
C606	1-164-344-11	CERAMIC CHIP	0.068µF	10%	25V
C607	1-131-945-11	ELECT	470µF	20%	100V
C608	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C609	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C610	1-107-906-11	ELECT	10µF	20%	50V
C611	1-117-272-11	ELECT	180µF	20%	10V
C612	1-107-906-11	ELECT	10µF	20%	50V
C613	1-107-906-11	ELECT	10µF	20%	50V
C614	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C615	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C616	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C617	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C618	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C619	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C620	1-131-945-11	ELECT	470µF	20%	100V
C621	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C623	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C624	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C700	1-127-822-51	FILM	1µF	10%	420V
C701	1-127-835-11	ELECT	22µF	20%	450V
C702	1-136-165-00	FILM	0.1µF	5%	50V
C703	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V
C704	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V
C705	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V
C706	1-107-909-11	ELECT	47µF	20%	50V
C707	1-163-133-00	CERAMIC CHIP	470pF	5%	50V
C708	1-163-133-00	CERAMIC CHIP	470pF	5%	50V
C709	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C710	1-115-340-11	CERAMIC CHIP	0.22µF	10%	25V
C711	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V
C712	1-163-275-11	CERAMIC CHIP	1000pF	5%	50V
C713	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V
C714	1-163-263-91	CERAMIC CHIP	330pF	5%	50V
C715	1-115-340-11	CERAMIC CHIP	0.22µF	10%	25V
C716	1-125-916-11	FILM	0.018µF	5%	1.25KV
C717	1-125-916-11	FILM	0.018µF	5%	1.25KV
C718	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V

Ref.No.	Part No.	Description	Remark
	<CONNECTOR>		
CN1	* 1-691-960-11	PIN, CONNECTOR 3P	
CN2	* 1-580-843-11	PIN, CONNECTOR (POWER)	
CN4	* 1-691-757-11	PIN, CONNECTOR 8P	
CN5	* 1-770-291-11	PIN, CONNECTOR 7P	
CN6	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN7	* 1-564-596-11	PLUG, CONNECTOR 15P	
CN8	* 1-564-511-11	PLUG, CONNECTOR 8P	
	<DIODE>		
D100	⚠8-719-055-11	DIODE 05NH46	
D103	⚠8-719-055-11	DIODE 05NH46	
D106	8-719-988-61	DIODE 1SS355TE-17	
D107	8-719-056-84	DIODE UDZ-TE-17-7.5B	
D108	8-719-071-79	DIODE HZU22B2TRF	
D109	8-719-988-61	DIODE 1SS355TE-17	
D110	8-719-313-16	DIODE AU02A	
D111	8-719-313-16	DIODE AU02A	
D112	8-719-988-61	DIODE 1SS355TE-17	
D113	8-719-063-70	DIODE D1NL20U	
D114	8-719-063-70	DIODE D1NL20U	
D116	8-719-071-81	DIODE HZU30BTRF	
D150	8-719-988-61	DIODE 1SS355TE-17	
D151	8-719-988-61	DIODE 1SS355TE-17	
D152	8-719-988-61	DIODE 1SS355TE-17	
D153	8-719-063-70	DIODE D1NL20U	
D154	8-719-988-61	DIODE 1SS355TE-17	
D155	8-719-988-61	DIODE 1SS355TE-17	
D201	8-719-063-70	DIODE D1NL20U	
D202	8-719-063-70	DIODE D1NL20U	
D203	8-719-988-61	DIODE 1SS355TE-17	
D205	8-719-071-94	DIODE HRU0103ATRF	
D206	8-719-071-94	DIODE HRU0103ATRF	
D253	8-719-988-61	DIODE 1SS355TE-17	
D254	8-719-988-61	DIODE 1SS355TE-17	
D255	8-719-988-61	DIODE 1SS355TE-17	
D256	8-719-988-61	DIODE 1SS355TE-17	
D257	8-719-988-61	DIODE 1SS355TE-17	
D258	8-719-988-61	DIODE 1SS355TE-17	
D259	8-719-988-61	DIODE 1SS355TE-17	
D260	8-719-988-61	DIODE 1SS355TE-17	
D261	8-719-988-61	DIODE 1SS355TE-17	
D262	8-719-988-61	DIODE 1SS355TE-17	
D263	8-719-988-61	DIODE 1SS355TE-17	
D300	8-719-056-84	DIODE UDZ-TE-17-7.5B	
D301	8-719-071-94	DIODE HRU0103ATRF	
D302	8-719-071-94	DIODE HRU0103ATRF	
D303	8-719-056-84	DIODE UDZ-TE-17-7.5B	
D304	8-719-071-94	DIODE HRU0103ATRF	
D305	8-719-988-61	DIODE 1SS355TE-17	
D306	8-719-988-61	DIODE 1SS355TE-17	
D307	8-719-988-61	DIODE 1SS355TE-17	
D402	8-719-071-63	DIODE HZU6.2BTRF	
D403	8-719-988-61	DIODE 1SS355TE-17	
D404	8-719-988-61	DIODE 1SS355TE-17	
D405	8-719-988-61	DIODE 1SS355TE-17	
D406	8-719-071-63	DIODE HZU6.2BTRF	
D407	8-719-988-61	DIODE 1SS355TE-17	
D408	8-719-988-61	DIODE 1SS355TE-17	

Ref.No.	Part No.	Description	Remark
D409	8-719-988-61	DIODE 1SS355TE-17	
D500	8-719-988-61	DIODE 1SS355TE-17	
D501	8-719-988-61	DIODE 1SS355TE-17	
D502	8-719-988-61	DIODE 1SS355TE-17	
D503	8-719-988-61	DIODE 1SS355TE-17	
D504	8-719-988-61	DIODE 1SS355TE-17	
D600	8-719-071-63	DIODE HZU6.2BTRF	
D601	8-719-988-61	DIODE 1SS355TE-17	
D602	8-719-988-61	DIODE 1SS355TE-17	
D603	8-719-988-61	DIODE 1SS355TE-17	
D605	8-719-071-63	DIODE HZU6.2BTRF	
D606	8-719-988-61	DIODE 1SS355TE-17	
D607	8-719-988-61	DIODE 1SS355TE-17	
D608	8-719-988-61	DIODE 1SS355TE-17	
D700	8-719-988-61	DIODE 1SS355TE-17	
D701	8-719-988-61	DIODE 1SS355TE-17	
D702	8-719-988-61	DIODE 1SS355TE-17	
D703	8-719-988-61	DIODE 1SS355TE-17	
D704	8-719-988-61	DIODE 1SS355TE-17	
	<FUSE>		
F101	⚠1-576-365-11	FUSE (15A/250V)	
	<IC>		
IC101	8-759-464-69	IC FA5317P	
IC102	8-759-098-24	IC PQ30RV11	
IC150	8-759-470-07	IC CXA8038AP	
IC200	8-759-700-65	IC NJM79L05A	
IC201	8-759-648-34	IC TA76431AS	
IC203	8-759-170-73	IC TA78L12S	
IC250	8-759-648-34	IC TA76431AS	
IC252	8-759-648-34	IC TA76431AS	
IC300	8-759-354-43	IC TK83854D	
IC301	8-759-510-73	IC BA10393F-E2	
IC302	8-759-648-34	IC TA76431AS	
IC400	8-759-510-71	IC BA10358F-E2	
IC401	8-759-648-34	IC TA76431AS	
IC402	8-759-058-50	IC XRA10324AF	
IC403	8-759-510-71	IC BA10358F-E2	
IC500	8-759-470-07	IC CXA8038AP	
IC600	8-759-510-71	IC BA10358F-E2	
IC601	8-759-648-34	IC TA76431AS	
IC602	8-759-058-50	IC XRA10324AF	
IC603	8-759-510-71	IC BA10358F-E2	
IC700	8-759-470-07	IC CXA8038AP	
	<COIL>		
L100	1-416-489-11	COIL,CHOKE 143μH	
L101	1-419-372-11	COIL,CHOKE	
L201	1-406-703-21	COIL,CHOKE 3.3μH	
L202	1-406-703-21	COIL,CHOKE 3.3μH	
L203	1-406-703-21	COIL,CHOKE 3.3μH	
L250	1-419-394-21	COIL,CHOKE 2.2μH	
L251	1-419-394-21	COIL,CHOKE 2.2μH	
L252	1-416-965-21	COIL,CHOKE 1μH	
L253	1-406-703-21	COIL,CHOKE 3.3μH	
L254	1-406-703-21	COIL,CHOKE 3.3μH	

Ref.No.	Part No.	Description	Remark
L400	1-469-371-11	COIL, CHOKE 4.2μF	
L401	1-416-616-11	COIL,CHOKE 2.2μH	
L501	1-419-371-11	COIL,CHOKE 484μH	
L600	1-416-616-11	COIL,CHOKE 2.2μH	
	<FILTER>		
LF100	⚠1-423-804-11	TRANSFORMER, LINE FILTER	
LF101	⚠1-433-843-11	TRANSFORMER, LINE FILTER	
LF102	⚠1-433-843-11	TRANSFORMER, LINE FILTER	
	<PHOTO COUPLER>		
PH100	8-719-062-33	PHOTO TRIAC COUPLER S21MT2F	
PH101	8-749-010-64	PHOTO COUPLER PC123F2	
PH102	8-749-010-64	PHOTO COUPLER PC123F2	
PH103	8-749-010-64	PHOTO COUPLER PC123F2	
PH104	8-749-010-64	PHOTO COUPLER PC123F2	
PH105	8-749-010-64	PHOTO COUPLER PC123F2	
PH500	8-749-010-64	PHOTO COUPLER PC123F2	
PH501	8-749-010-64	PHOTO COUPLER PC123F2	
PH502	8-749-010-64	PHOTO COUPLER PC123F2	
PH700	8-749-010-64	PHOTO COUPLER PC123F2	
PH701	8-749-010-64	PHOTO COUPLER PC123F2	
PH702	8-749-010-64	PHOTO COUPLER PC123F2	
	<TRANSISTOR>		
Q103	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q104	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q106	8-729-035-71	TRANSISTOR 2SJ334	
Q150	8-729-141-48	TRANSISTOR 2SB624-BV345	
Q151	8-729-141-48	TRANSISTOR 2SB624-BV345	
Q200	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q201	8-729-900-53	TRANSISTOR DTC114EK	
Q202	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q203	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q205	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q206	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q250	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q251	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q300	8-729-040-89	TRANSISTOR 2SK1590-T1B	
Q301	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q302	8-729-040-88	TRANSISTOR 2SB1240TV2QR	
Q303	8-729-040-23	TRANSISTOR 2SD1862TV2QR	
Q304	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q305	8-729-040-89	TRANSISTOR 2SK1590-T1B	
Q400	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q401	8-729-040-89	TRANSISTOR 2SK1590-T1B	
Q402	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q403	8-729-040-89	TRANSISTOR 2SK1590-T1B	
Q404	8-729-040-89	TRANSISTOR 2SK1590-T1B	
Q405	8-729-040-89	TRANSISTOR 2SK1590-T1B	
Q406	8-729-033-07	TRANSISTOR 2SK2425	
Q500	8-729-141-48	TRANSISTOR 2SB624-BV345	
Q501	8-729-141-48	TRANSISTOR 2SB624-BV345	
Q600	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q601	8-729-040-89	TRANSISTOR 2SK1590-T1B	
Q602	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q603	8-729-040-89	TRANSISTOR 2SK1590-T1B	

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Ref.No.	Part No.	Description				Remark
Q604	8-729-040-89	TRANSISTOR 2SK1590-T1B				
Q605	8-729-040-89	TRANSISTOR 2SK1590-T1B				
Q606	8-729-050-53	TRANSISTOR 2SK3212-01				
Q700	8-729-141-48	TRANSISTOR 2SB624-BV345				
Q701	8-729-141-48	TRANSISTOR 2SB624-BV345				
	<RESISTOR>					
R100	⚠1-260-131-91	CARBON	470K	5%	1/2W	
R101	1-240-313-11	CEMENT	4.7	5%	5W	
R102	1-249-397-11	CARBON	22	5%	1/4W	
R103	1-240-313-11	CEMENT	4.7	5%	5W	
R104	1-240-910-11	CEMENT	4.7	5%	5W	
R105	1-249-407-91	CARBON	150	5%	1/4W	
R106	1-219-393-11	METAL PLATE	0.05	10%	5W	F
R107	1-219-393-11	METAL PLATE	0.05	10%	5W	F
R109	1-215-857-11	METAL OXIDE	10	5%	1W	F
R110	1-215-857-11	METAL OXIDE	10	5%	1W	F
R111	1-215-857-11	METAL OXIDE	10	5%	1W	F
R112	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R113	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R114	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R115	1-215-882-51	METAL OXIDE	22	5%	2W	F
R116	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R117	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R118	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R119	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R120	1-249-413-11	CARBON	470	5%	1/4W	
R121	1-216-070-00	RES,CHIP	7.5K	5%	1/10W	
R122	1-216-308-00	RES,CHIP	4.7	5%	1/10W	
R124	1-215-903-11	METAL OXIDE	68K	5%	2W	F
R125	1-216-017-91	RES,CHIP	47	5%	1/10W	
R126	1-215-903-11	METAL OXIDE	68K	5%	2W	F
R127	1-215-904-11	METAL OXIDE	100K	5%	2W	F
R128	1-216-037-00	RES,CHIP	330	5%	1/10W	
R129	1-216-068-00	RES,CHIP	6.2K	5%	1/10W	
R130	1-216-029-00	RES,CHIP	150	5%	1/10W	
R131	1-216-047-00	RES,CHIP	820	5%	1/10W	
R132	1-216-345-11	METAL OXIDE	0.47	5%	1W	F
R133	1-216-089-91	RES,CHIP	47K		1/10W	
R134	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	
R135	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R136	1-216-089-91	RES,CHIP	47K		1/10W	
R137	1-216-085-00	RES,CHIP	33K	5%	1/10W	
R150	1-247-807-31	CARBON	100	5%	1/4W	
R151	1-249-401-11	CARBON	47	5%	1/4W	
R152	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R153	1-216-025-00	RES,CHIP	100	5%	1/10W	
R154	1-216-029-00	RES,CHIP	150	5%	1/10W	
R155	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R156	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R157	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R158	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R159	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R160	1-216-308-00	RES,CHIP	4.7	5%	1/10W	
R161	1-216-308-00	RES,CHIP	4.7	5%	1/10W	
R162	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R163	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R164	1-249-429-11	CARBON	10K	5%	1/4W	
R165	1-216-077-91	RES,CHIP	15K	5%	1/10W	
R166	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R167	1-216-341-11	METAL OXIDE	0.22	5%	1W	F
R190	1-247-791-91	CARBON	22	5%	1/4W	
R191	1-216-089-91	RES,CHIP	47K		1/10W	
R192	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R201	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R202	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R203	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R204	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R205	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R206	1-216-049-11	RES,CHIP	1K	5%	1/10W	
R207	1-208-798-11	RES,CHIP	4.7K	0.5%	1/10W	
R208	1-208-782-11	RES,CHIP	1K	0.5%	1/10W	
R209	1-208-806-11	RES,CHIP	10K	0.5%	1/10W	
R210	1-216-049-11	RES,CHIP	1K	5%	1/10W	
R211	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R212	1-216-049-11	RES,CHIP	1K	5%	1/10W	
R213	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R214	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R215	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R216	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R218	1-208-790-11	RES,CHIP	2.2K	0.5%	1/10W	
R219	1-208-782-11	RES,CHIP	1K	0.5%	1/10W	
R220	1-216-049-11	RES,CHIP	1K	5%	1/10W	
R221	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R222	1-216-049-11	RES,CHIP	1K	5%	1/10W	
R223	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R224	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R225	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R250	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R251	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R252	1-216-071-00	RES,CHIP	8.2K	5%	1/10W	
R253	1-216-049-11	RES,CHIP	1K	5%	1/10W	
R254	1-216-079-00	RES,CHIP	18K	5%	1/10W	
R255	1-216-079-00	RES,CHIP	18K	5%	1/10W	
R256	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R257	1-216-049-11	RES,CHIP	1K	5%	1/10W	
R258	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R259	1-216-113-00	RES,CHIP	470K	5%	1/10W	
R260	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R261	1-216-049-11	RES,CHIP	1K	5%	1/10W	
R262	1-208-812-11	RES,CHIP	18K	0.5%	1/10W	
R263	1-208-793-11	RES,CHIP	3K	0.5%	1/10W	
R264	1-208-798-11	RES,CHIP	4.7K	0.5%	1/10W	
R265	1-208-765-11	RES,CHIP	200	0.5%	1/10W	
R266	1-208-782-11	RES,CHIP	1K	0.5%	1/10W	
R267	1-249-417-11	CARBON	1K	5%	1/4W	
R268	1-208-798-11	RES,CHIP	4.7K	0.5%	1/10W	
R269	1-208-769-11	RES,CHIP	300	0.5%	1/10W	
R270	1-208-797-11	RES,CHIP	4.3K	0.5%	1/10W	
R271	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R272	1-216-049-11	RES,CHIP	1K	5%	1/10W	
R273	1-208-798-11	RES,CHIP	4.7K	0.5%	1/10W	
R274	1-208-764-11	RES,CHIP	180	0.5%	1/10W	
R275	1-208-770-11	RES,CHIP	330	0.5%	1/10W	
R276	1-208-806-11	RES,CHIP	10K	0.5%	1/10W	
R277	1-208-783-11	RES,CHIP	1.1K	0.5%	1/10W	
R278	1-208-788-11	RES,CHIP	1.8K	0.5%	1/10W	
R279	1-208-806-11	RES,CHIP	10K	0.5%	1/10W	

Ref.No.	Part No.	Description			Remark
R280	1-208-782-11	RES,CHIP	1K	0.5%	1/10W
R281	1-208-788-11	RES,CHIP	1.8K	0.5%	1/10W
R282	1-208-806-11	RES,CHIP	10K	0.5%	1/10W
R283	1-208-767-11	RES,CHIP	240	0.5%	1/10W
R284	1-208-768-11	RES,CHIP	270	0.5%	1/10W
R285	1-208-814-91	RES,CHIP	22K	0.5%	1/10W
R286	1-208-765-11	RES,CHIP	200	0.5%	1/10W
R287	1-208-792-11	RES,CHIP	2.7K	0.5%	1/10W
R288	1-216-073-00	RES,CHIP	10K	5%	1/10W
R300	1-249-413-11	CARBON	470	5%	1/4W
R301	1-249-413-11	CARBON	470	5%	1/4W
R302	1-260-130-91	CARBON	390K	5%	1/2W
R304	1-260-130-91	CARBON	390K	5%	1/2W
R305	1-216-109-00	RES,CHIP	330K	5%	1/10W
R306	1-260-130-91	CARBON	390K	5%	1/2W
R307	1-260-130-91	CARBON	390K	5%	1/2W
R309	1-216-097-91	RES,CHIP	100K	5%	1/10W
R310	1-216-081-00	RES,CHIP	22K	5%	1/10W
R311	1-260-130-91	CARBON	390K	5%	1/2W
R312	1-260-130-91	CARBON	390K	5%	1/2W
R313	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R314	1-216-052-00	RES,CHIP	1.3K	5%	1/10W
R315	1-216-073-00	RES,CHIP	10K	5%	1/10W
R316	1-216-062-00	RES,CHIP	3.6K	5%	1/10W
R317	1-216-121-91	RES,CHIP	1M	5%	1/10W
R318	1-216-081-00	RES,CHIP	22K	5%	1/10W
R319	1-216-105-91	RES,CHIP	220K	5%	1/10W
R320	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R321	1-249-413-11	CARBON	470	5%	1/4W
R322	1-216-049-11	RES,CHIP	1K	5%	1/10W
R323	1-216-073-00	RES,CHIP	10K	5%	1/10W
R324	1-249-393-11	CARBON	10	5%	1/4W
R325	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R326	1-216-101-00	RES,CHIP	150K	5%	1/10W
R327	1-216-081-00	RES,CHIP	22K	5%	1/10W
R328	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R329	1-260-128-11	CARBON	270K	5%	1/2W
R339	1-260-128-11	CARBON	270K	5%	1/2W
R340	1-216-049-11	RES,CHIP	1K	5%	1/10W
R341	1-216-042-00	RES,CHIP	510	5%	1/10W
R342	1-216-073-00	RES,CHIP	10K	5%	1/10W
R343	1-216-077-91	RES,CHIP	15K	5%	1/10W
R344	1-214-929-00	METAL	470K	1%	1/2W
R345	1-214-929-00	METAL	470K	1%	1/2W
R346	1-208-799-11	RES,CHIP	5.1K	0.5%	1/10W
R347	1-216-037-00	RES,CHIP	330	5%	1/10W
R348	1-216-073-00	RES,CHIP	10K	5%	1/10W
R349	1-247-791-91	CARBON	22	5%	1/4W
R351	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R352	1-216-113-00	RES,CHIP	470K	5%	1/10W
R400	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R401	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R402	1-216-049-11	RES,CHIP	1K	5%	1/10W
R403	1-216-081-00	RES,CHIP	22K	5%	1/10W
R404	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R405	1-216-081-00	RES,CHIP	22K	5%	1/10W
R406	1-216-070-00	RES,CHIP	7.5K	5%	1/10W
R407	1-216-073-00	RES,CHIP	10K	5%	1/10W
R408	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R409	1-216-049-11	RES,CHIP	1K	5%	1/10W

Ref.No.	Part No.	Description			Remark
R410	1-216-049-11	RES,CHIP	1K	5%	1/10W
R411	1-216-081-00	RES,CHIP	22K	5%	1/10W
R412	1-214-914-11	METAL	110K	1%	1/2W
R413	1-214-914-11	METAL	110K	1%	1/2W
R414	1-208-795-11	RES,CHIP	3.6K	0.5%	1/10W
R415	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R416	1-208-782-11	RES,CHIP	1K	0.5%	1/10W
R417	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R418	1-208-782-11	RES,CHIP	1K	0.5%	1/10W
R419	1-208-782-11	RES,CHIP	1K	0.5%	1/10W
R420	1-208-806-11	RES,CHIP	10K	0.5%	1/10W
R421	1-217-625-00	METAL PLATE	0.05	10%	2W F
R422	1-208-807-11	RES,CHIP	11K	0.5%	1/10W
R423	1-216-105-91	RES,CHIP	220K	5%	1/10W
R424	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R425	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R426	1-216-081-00	RES,CHIP	22K	5%	1/10W
R427	1-216-089-91	RES,CHIP	47K		1/10W
R428	1-216-049-11	RES,CHIP	1K	5%	1/10W
R429	1-216-081-00	RES,CHIP	22K	5%	1/10W
R430	1-216-073-00	RES,CHIP	10K	5%	1/10W
R431	1-216-081-00	RES,CHIP	22K	5%	1/10W
R433	1-208-830-11	RES,CHIP	100K	0.5%	1/10W
R434	1-216-085-00	RES,CHIP	33K	5%	1/10W
R436	1-216-073-00	RES,CHIP	10K	5%	1/10W
R437	1-216-073-00	RES,CHIP	10K	5%	1/10W
R438	1-216-049-11	RES,CHIP	1K	5%	1/10W
R439	1-216-073-00	RES,CHIP	10K	5%	1/10W
R441	1-214-924-00	METAL	300K	1%	1/2W
R442	1-214-900-00	METAL	30K	1%	1/2W
R443	1-208-783-11	RES,CHIP	1.1K	0.5%	1/10W
R444	1-208-798-11	RES,CHIP	4.7K	0.5%	1/10W
R445	1-216-073-00	RES,CHIP	10K	5%	1/10W
R446	1-216-049-11	RES,CHIP	1K	5%	1/10W
R447	1-208-805-11	RES,CHIP	9.1K	0.5%	1/10W
R448	1-216-655-11	METAL	1.5K	0.5%	1/10W
R449	1-216-073-00	RES,CHIP	10K	5%	1/10W
R450	1-216-049-11	RES,CHIP	1K	5%	1/10W
R451	1-242-914-11	CEMENT	100	5%	5W
R452	1-208-806-11	RES,CHIP	10K	0.5%	1/10W
R453	1-216-655-11	METAL	1.5K	0.5%	1/10W
R454	1-208-830-11	RES,CHIP	100K	0.5%	1/10W
R455	1-208-830-11	RES,CHIP	100K	0.5%	1/10W
R456	1-216-073-00	RES,CHIP	10K	5%	1/10W
R457	1-208-830-11	RES,CHIP	100K	0.5%	1/10W
R459	1-208-802-11	RES,CHIP	6.8K	0.5%	1/10W
R460	1-242-916-11	CEMENT	16K	5%	5W
R461	1-216-113-00	RES,CHIP	470K	5%	1/10W
R462	1-242-916-11	CEMENT	16K	5%	5W
R465	1-216-389-91	METAL OXIDE	1	5%	3W
R466	1-216-389-91	METAL OXIDE	1	5%	3W
R467	1-242-916-11	CEMENT	16K	5%	5W
R468	1-242-914-11	CEMENT	100	5%	5W
R469	1-242-914-11	CEMENT	100	5%	5W
R500	1-247-807-31	CARBON	100	5%	1/4W
R501	1-249-401-11	CARBON	47	5%	1/4W
R502	1-216-073-00	RES,CHIP	10K	5%	1/10W
R503	1-216-037-00	RES,CHIP	330	5%	1/10W
R504	1-208-766-11	RES,CHIP	220	0.5%	1/10W
R505	1-216-065-91	RES,CHIP	4.7K	5%	1/10W

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Ref.No.	Part No.	Description				Remark
R506	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R507	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R508	1-216-308-00	RES,CHIP	4.7	5%	1/10W	
R509	1-216-308-00	RES,CHIP	4.7	5%	1/10W	
R510	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R511	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	
R512	1-216-049-11	RES,CHIP	1K	5%	1/10W	
R513	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R514	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R515	1-217-625-00	METAL PLATE	0.05	10%	2W	F
R516	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R517	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R600	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R601	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R602	1-216-049-11	RES,CHIP	1K	5%	1/10W	
R603	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R604	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R605	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R606	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R607	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R608	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R609	1-216-049-11	RES,CHIP	1K	5%	1/10W	
R610	1-216-049-11	RES,CHIP	1K	5%	1/10W	
R611	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R612	1-215-459-00	METAL	39K	1%	1/4W	
R613	1-215-457-00	METAL	33K	1%	1/4W	
R614	1-208-795-11	RES,CHIP	3.6K	0.5%	1/10W	
R615	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R616	1-208-782-11	RES,CHIP	1K	0.5%	1/10W	
R617	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R618	1-208-782-11	RES,CHIP	1K	0.5%	1/10W	
R619	1-208-782-11	RES,CHIP	1K	0.5%	1/10W	
R620	1-208-806-11	RES,CHIP	10K	0.5%	1/10W	
R621	1-217-625-00	METAL PLATE	0.05	10%	2W	F
R622	1-208-806-11	RES,CHIP	10K	0.5%	1/10W	
R623	1-216-105-91	RES,CHIP	220K	5%	1/10W	
R624	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	
R625	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	
R626	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R627	1-216-089-91	RES,CHIP	47K		1/10W	
R628	1-216-049-11	RES,CHIP	1K	5%	1/10W	
R629	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R630	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R631	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R632	1-208-816-11	RES,CHIP	27K	0.5%	1/10W	
R633	1-216-085-00	RES,CHIP	33K	5%	1/10W	
R635	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R636	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R637	1-216-049-11	RES,CHIP	1K	5%	1/10W	
R638	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R640	1-214-914-11	METAL	110K	1%	1/2W	
R641	1-215-456-00	METAL	30K	1%	1/4W	
R642	1-208-795-11	RES,CHIP	3.6K	0.5%	1/10W	
R643	1-208-798-11	RES,CHIP	4.7K	0.5%	1/10W	
R644	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R645	1-216-049-11	RES,CHIP	1K	5%	1/10W	
R646	1-208-792-11	RES,CHIP	2.7K	0.5%	1/10W	
R647	1-216-655-11	METAL	1.5K	0.5%	1/10W	
R648	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R649	1-216-049-11	RES,CHIP	1K	5%	1/10W	

Ref.No.	Part No.	Description				Remark
R650	1-242-913-11	CEMENT	15	5%	5W	
R651	1-208-806-11	RES,CHIP	10K	0.5%	1/10W	
R652	1-216-655-11	METAL	1.5K	0.5%	1/10W	
R653	1-208-832-11	RES,CHIP	120K	0.5%	1/10W	
R654	1-208-832-11	RES,CHIP	120K	0.5%	1/10W	
R655	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R658	1-208-810-11	RES,CHIP	15K	0.5%	1/10W	
R659	1-242-915-11	CEMENT	2.7K	5%	5W	
R660	1-216-113-00	RES,CHIP	470K	5%	1/10W	
R661	1-242-915-11	CEMENT	2.7K	5%	5W	
R662	1-242-913-11	CEMENT	15	5%	5W	
R700	1-247-807-31	CARBON	100	5%	1/4W	
R701	1-249-401-11	CARBON	47	5%	1/4W	
R703	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R704	1-208-768-11	RES,CHIP	270	0.5%	1/10W	
R705	1-208-766-11	RES,CHIP	220	0.5%	1/10W	
R706	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R707	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R708	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R709	1-216-308-00	RES,CHIP	4.7	5%	1/10W	
R710	1-216-308-00	RES,CHIP	4.7	5%	1/10W	
R711	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R712	1-216-049-11	RES,CHIP	1K	5%	1/10W	
R713	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	
R714	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R715	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R716	1-217-625-00	METAL PLATE	0.05	10%	2W	F
R717	1-216-689-11	RES,CHIP	39K	5%	1/10W	
R718	1-216-073-00	RES,CHIP	10K	5%	1/10W	

<VARIABLE RESISTOR>

RV150	1-241-764-11	RES,ADJ,CERMET	10K
RV201	1-241-762-11	RES,ADJ,CERMET	2.2K
RV250	1-241-762-11	RES,ADJ,CERMET	2.2K
RV300	1-241-762-11	RES,ADJ,CERMET	2.2K
RV400	1-241-759-11	RES,ADJ,CERMET	220
RV401	1-241-762-11	RES,ADJ,CERMET	2.2K
RV402	1-241-760-11	RES,ADJ,CERMET	470
RV500	1-241-764-11	RES,ADJ,CERMET	10K
RV600	1-241-760-11	RES,ADJ,CERMET	470
RV601	1-241-762-11	RES,ADJ,CERMET	2.2K
RV602	1-241-760-11	RES,ADJ,CERMET	470
RV700	1-241-764-11	RES,ADJ,CERMET	10K

<TRANSFORMER>

T101	1-435-218-11	TRANSFORMER, CONVERTOR
T102	1-435-219-11	TRANSFORMER, CONVERTOR
T105	1-426-931-21	TRANSFORMER, DRIVE
T501	1-435-216-11	TRANSFORMER, CONVERTOR
T502	1-426-931-21	TRANSFORMER, DRIVE
T701	1-435-217-11	TRANSFORMER, CONVERTOR
T702	1-426-931-21	TRANSFORMER, DRIVE

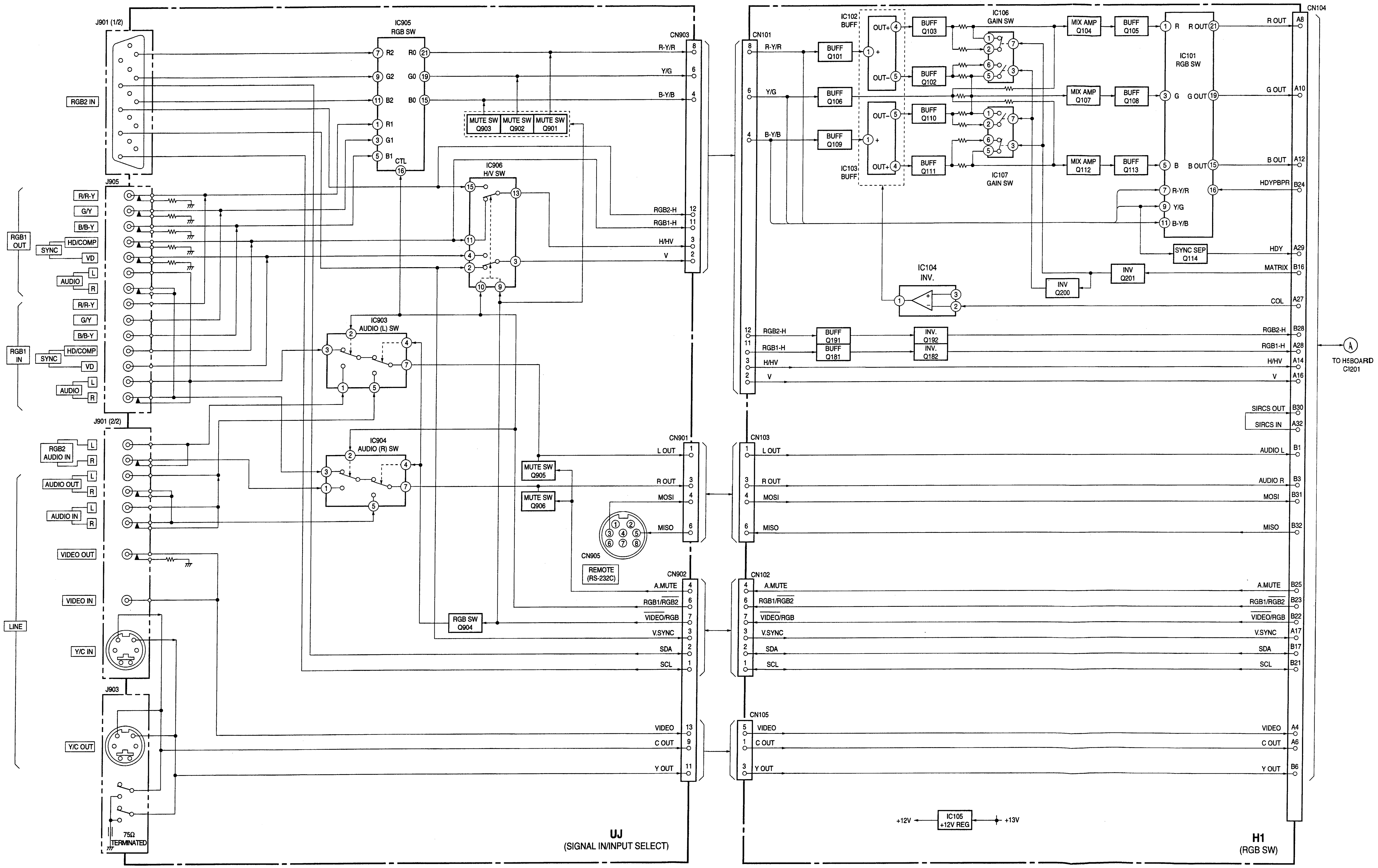
Ref.No.	Part No.	Description	Remark
	<VARISTOR>		
VDR100	⚠1-809-909-22	VARISTOR NV270D03-TB2	
VDR101	⚠1-801-625-21	VARISTOR 470NR10D	
VDR102	⚠1-801-625-21	VARISTOR 470NR10D	
VDR103	⚠1-809-909-22	VARISTOR NV270D03-TB2	

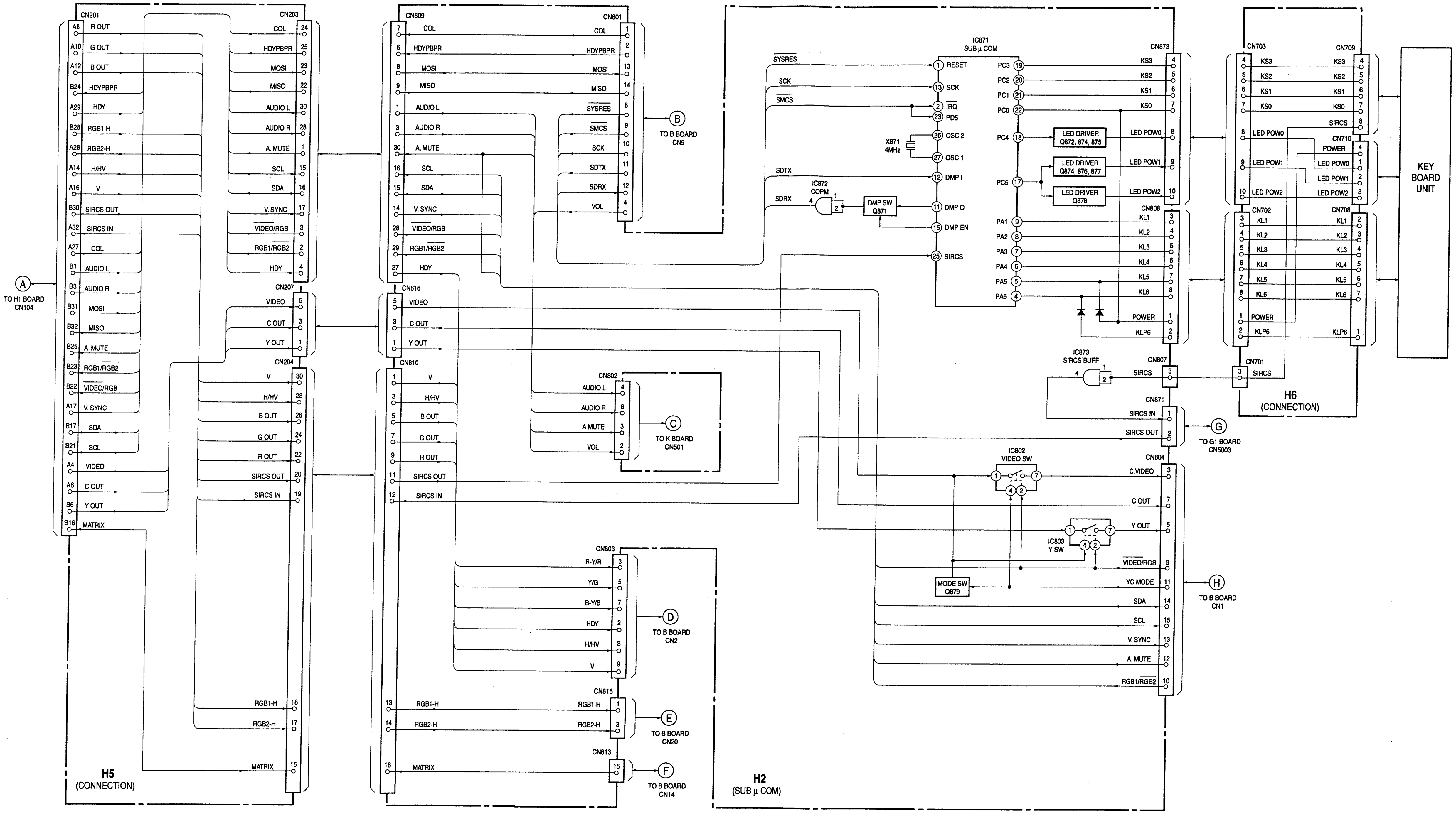
****

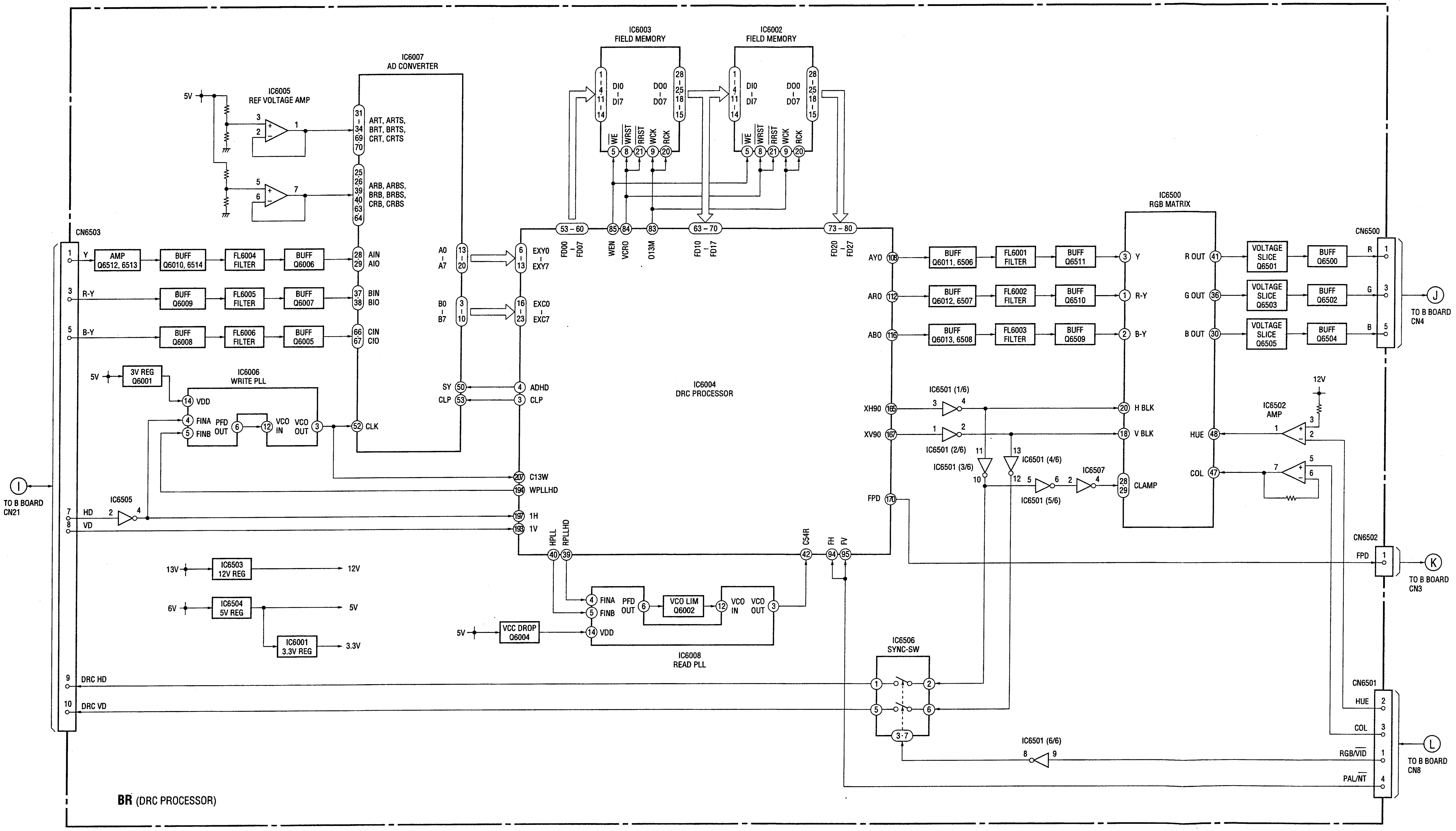
REMOTE COMMANDER
****

1-475-089-11	REMOTE COMMANDER (RM-921)
9-900-029-01	BATTERY COVER (FOR RM-921)

Section 8
Block Diagrams

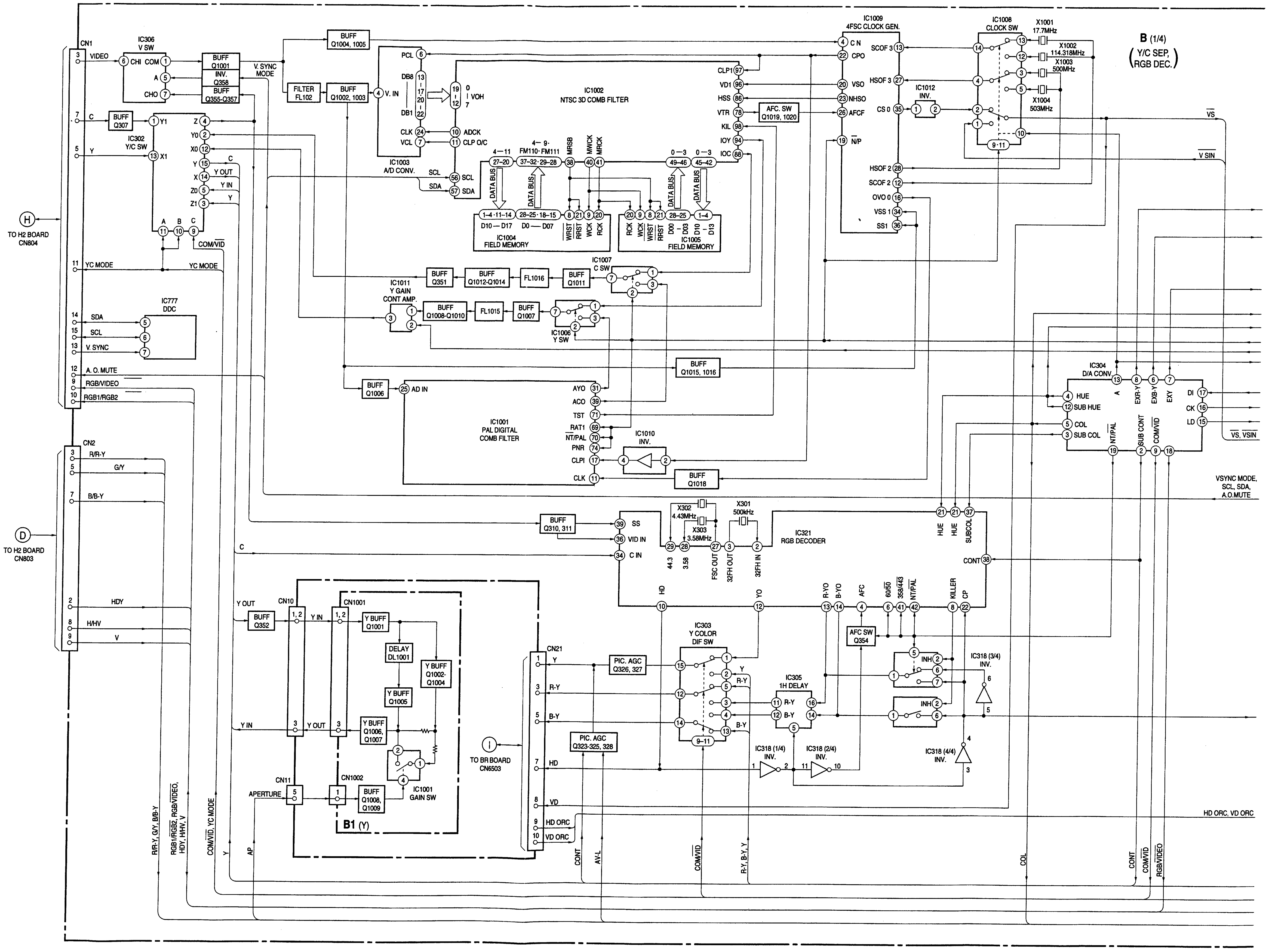

J901 (1/2)
RGB2 IN
J905
R/R-Y
G/Y
B/B-Y
HD/COMP
VD
SYNC
RGB1 OUT
AUDIO
L
R
RGB1 IN
J901 (2/2)
RGB2 AUDIO IN
AUDIO OUT
AUDIO IN
VIDEO OUT
VIDEO IN
LINE
Y/C IN
J903
Y/C OUT
75Ω TERMINATED
IC905 RGB SW
R2 G2 B2 R1 G1 B1
R0 G0 B0
CTL
MUTE SW Q903
MUTE SW Q902
MUTE SW Q901
IC906 H/V SW
IC903 AUDIO (L) SW
IC904 AUDIO (R) SW
MUTE SW Q905
MUTE SW Q906
CN905
REMOTE (RS-232C)
RGB SW Q904
CN903
R-Y/R
Y/G
B-Y/B
RGB2-H
RGB1-H
H/HV
V
CN901
L OUT
R OUT
MOSI
MISO
CN902
A.MUTE
RGB1/RGB2
VIDEO/RGB
V.SYNC
SDA
SCL
VIDEO
C OUT
Y OUT
UJ
(SIGNAL IN/INPUT SELECT)
CN101
CN103
CN102
CN105
IC102 BUFF
IC103 BUFF
BUFF Q101
BUFF Q106
BUFF Q109
BUFF Q103
BUFF Q102
BUFF Q110
BUFF Q111
IC106 GAIN SW
IC107 GAIN SW
MIX AMP Q104
MIX AMP Q107
MIX AMP Q112
BUFF Q105
BUFF Q108
BUFF Q113
IC101 RGB SW
R OUT
G OUT
B OUT
HDYPBPR
R-Y/R
Y/G
B-Y/B
SYNC SEP Q114
INV Q201
INV Q200
IC104 INV.
BUFF Q191
BUFF Q181
INV. Q192
INV. Q182
CN104
HDY
MATRIX
COL
SIRCS OUT
SIRCS IN
AUDIO L
AUDIO R
IC105 +12V REG
+12V
+13V
TO H5BOARD CI201
A
H1
(RGB SW)


CN201
R OUT
G OUT
B OUT
HDYPBPR
HDY
RGB1-H
RGB2-H
H/HV
V
SIRCS OUT
SIRCS IN
COL
AUDIO L
AUDIO R
MOSI
MISO
A. MUTE
RGB1/RGB2
VIDEO/RGB
V. SYNC
SDA
SCL
VIDEO
C OUT
Y OUT
MATRIX
A
TO H1 BOARD
CN104
CN203
COL
HDYPBPR
MOSI
MISO
AUDIO L
AUDIO R
A. MUTE
SCL
SDA
V. SYNC
VIDEO/RGB
RGB1/RGB2
HDY
CN207
VIDEO
C OUT
Y OUT
CN204
V
H/HV
B OUT
G OUT
R OUT
SIRCS OUT
SIRCS IN
RGB1-H
RGB2-H
MATRIX
H5
(CONNECTION)
CN809
CN801
COL
HDYPBPR
MOSI
MISO
SYSRES
SMCS
SCK
SDTX
SDRX
VOL
B
TO B BOARD
CN9
CN816
CN810
CN802
AUDIO L
AUDIO R
A MUTE
VOL
C
TO K BOARD
CN501
CN803
R-Y/R
Y/G
B-Y/B
HDY
H/HV
V
D
TO B BOARD
CN2
CN815
RGB1-H
RGB2-H
E
TO B BOARD
CN20
CN813
MATRIX
F
TO B BOARD
CN14
H2
(SUB µ COM)
IC871
SUB µ COM
RESET
SCK
IRQ
PD5
OSC 2
OSC 1
DMP I
DMP O
DMP EN
SIRCS
X871
4MHz
IC872
COPM
DMP SW
Q871
PC3
PC2
PC1
PC0
PC4
PC5
PA1
PA2
PA3
PA4
PA5
PA6
LED DRIVER
Q872, 874, 875
LED DRIVER
Q874, 876, 877
LED DRIVER
Q878
CN873
KS3
KS2
KS1
KS0
LED POW0
LED POW1
LED POW2
CN808
KL1
KL2
KL3
KL4
KL5
KL6
POWER
KLP6
IC873
SIRCS BUFF
CN807
SIRCS
CN871
SIRCS IN
SIRCS OUT
G
TO G1 BOARD
CN5003
IC802
VIDEO SW
IC803
Y SW
MODE SW
Q879
CN804
C.VIDEO
C OUT
Y OUT
VIDEO/RGB
YC MODE
SDA
SCL
V. SYNC
A. MUTE
RGB1/RGB2
H
TO B BOARD
CN1
CN703
CN709
CN710
CN702
CN708
CN701
KS3
KS2
KS1
KS0
SIRCS
LED POW0
LED POW1
LED POW2
POWER
KL1
KL2
KL3
KL4
KL5
KL6
POWER
KLP6
H6
(CONNECTION)
KEY
BOARD
UNIT

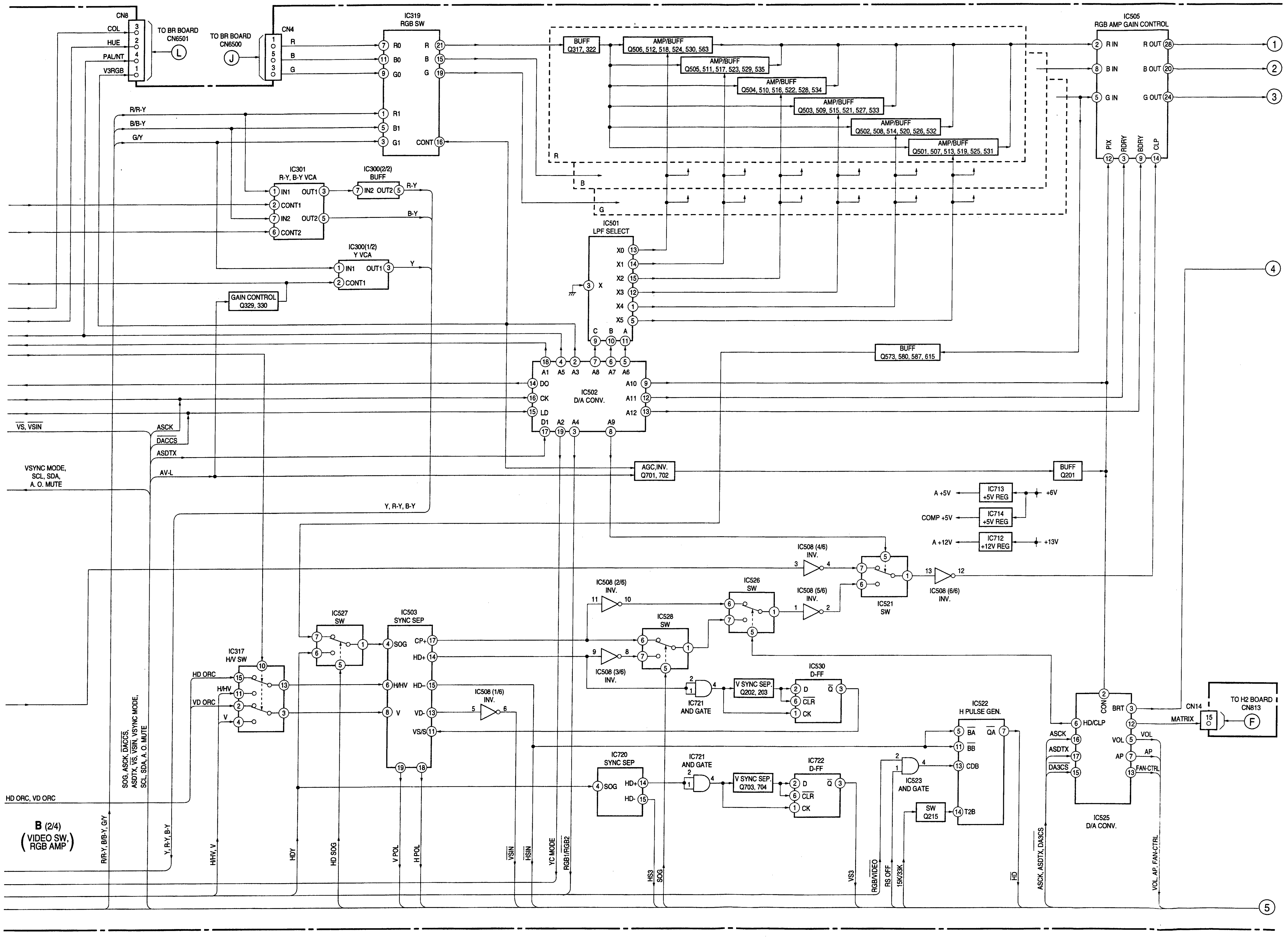

BR (DRC PROCESSOR)
CN6503
Y
R-Y
B-Y
AMP Q6512, 6513
BUFF Q6010, 6514
FL6004 FILTER
BUFF Q6006
BUFF Q6009
FL6005 FILTER
BUFF Q6007
BUFF Q6008
FL6006 FILTER
BUFF Q6005
5V
IC6005 REF VOLTAGE AMP
IC6007 AD CONVERTER
ART, ARTS, BRT, BRTS, CRT, CRTS
ARB, ARBS, BRB, BRBS, CRB, CRBS
AIN AIO
BIN BIO
CIN CIO
CLK
A0 A7
B0 B7
SY
CLP
3V REG Q6001
IC6006 WRITE PLL
VDD
FINA
FINB
PFD OUT
VCO IN
VCO OUT
IC6505
HD
VD
DRC HD
DRC VD
TO B BOARD CN21
13V
IC6503 12V REG
12V
6V
IC6504 5V REG
5V
IC6001 3.3V REG
3.3V
IC6003 FIELD MEMORY
IC6002 FIELD MEMORY
DI0 DI7
DO0 DO7
WE WRST RRST WCK RCK
53 – 60
63 – 70
73 – 80
FD00 FD07
WEN
VCRO
013M
FD10 FD17
FD20 FD27
EXY0 EXY7
EXC0 EXC7
ADHD
CLP
C13W
WPLLHD
1H
1V
IC6004 DRC PROCESSOR
HPLL
RPLLHD
C54R
FH
FV
AYO
ARO
ABO
XH90
XV90
FPD
5V
VCC DROP Q6004
IC6008 READ PLL
FINA
FINB
PFD OUT
VCO LIM Q6002
VCO IN
VCO OUT
VDD
BUFF Q6011, 6506
FL6001 FILTER
BUFF Q6511
BUFF Q6012, 6507
FL6002 FILTER
BUFF Q6510
BUFF Q6013, 6508
FL6003 FILTER
BUFF Q6509
IC6500 RGB MATRIX
Y
R-Y
B-Y
H BLK
V BLK
CLAMP
R OUT
G OUT
B OUT
HUE
COL
IC6501 (1/6)
IC6501 (2/6)
IC6501 (3/6)
IC6501 (4/6)
IC6501 (5/6)
IC6501 (6/6)
IC6507
IC6502 AMP
12V
VOLTAGE SLICE Q6501
VOLTAGE SLICE Q6503
VOLTAGE SLICE Q6505
BUFF Q6500
BUFF Q6502
BUFF Q6504
CN6500
R
G
B
TO B BOARD CN4
CN6502
FPD
TO B BOARD CN3
IC6506 SYNC-SW
CN6501
HUE
COL
RGB/VID
PAL/NT
TO B BOARD CN8

B1, B (1/4)

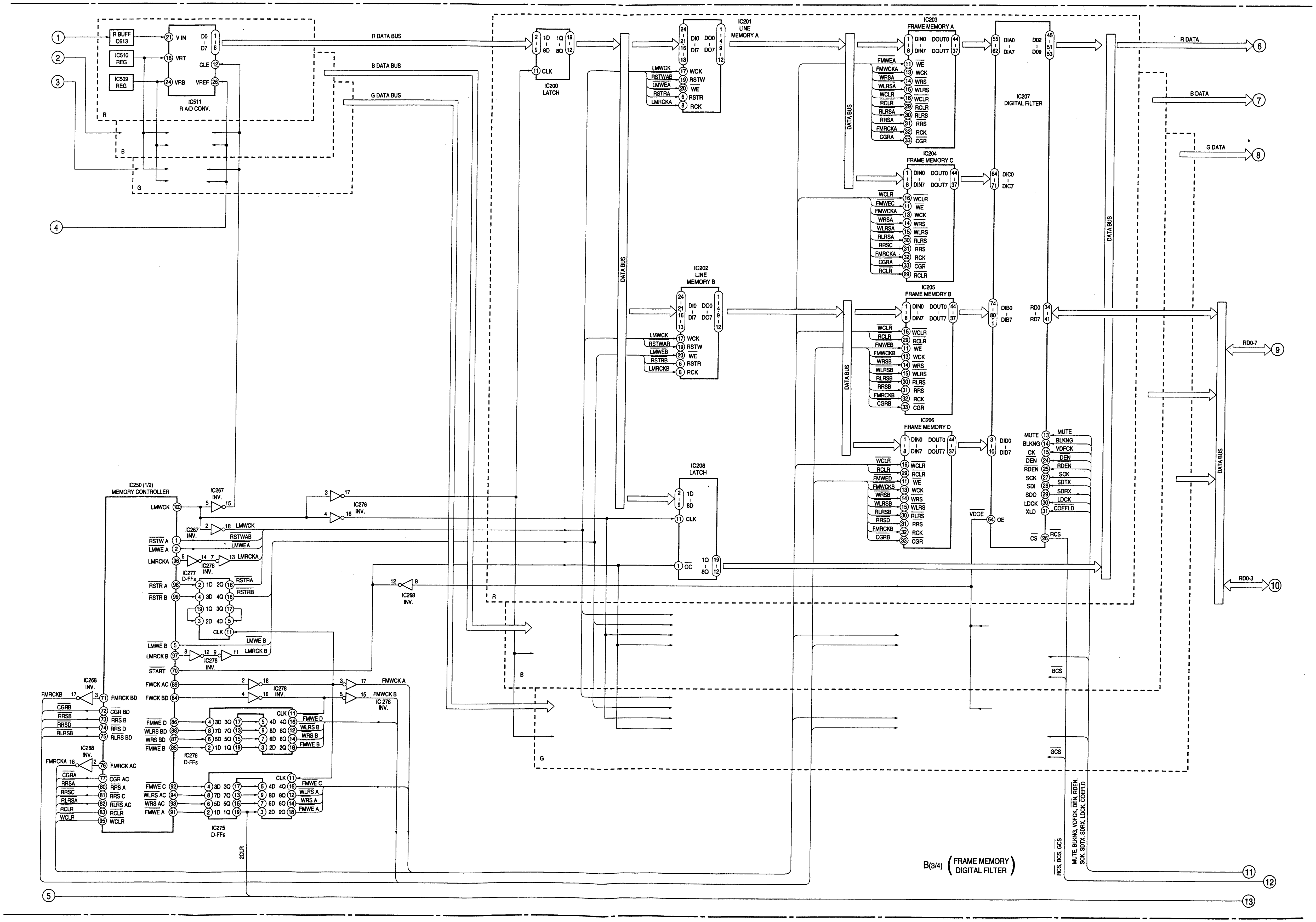
B1, B (1/4)


B (1/4)
(Y/C SEP, RGB DEC.)
CN1
IC306 V SW
VIDEO
CHI COM
CHO
BUFF Q1001
INV. Q358
BUFF Q355-Q357
V. SYNC MODE
BUFF Q1004, 1005
FILTER FL102
BUFF Q1002, 1003
V. IN
PCL
DB8
DB1
CLK
VCL
IC1003 A/D CONV.
SCL
SDA
IC1002 NTSC 3D COMB FILTER
VOH
ADCK
CLP O/C
CLP1
VD1
HSS
VTR
KIL
IOY
IOC
AFC. SW Q1019, 1020
FM110·FM111
MRSB
MWCK
MRCK
DATA BUS
IC1004 FIELD MEMORY
D10 — D17
D0 — D07
WRST
RRST
WCK
RCK
IC1005 FIELD MEMORY
IC1009 4FSC CLOCK GEN.
CN
CPO
SCOF 3
HSOF 3
CS 0
VSO
NHSO
AFCF
N/P
HSOF 2
SCOF 2
OVO 0
VSS 1
SS1
IC1012 INV.
IC1008 CLOCK SW
X1001 17.7MHz
X1002 14.318MHz
X1003 500MHz
X1004 503MHz
VS
V SIN
BUFF Q307
IC302 Y/C SW
C
Y
Y OUT
Y IN
COM/VID
YC MODE
TO H2 BOARD CN804
IC777 DDC
SDA
SCL
V. SYNC
A. O. MUTE
RGB/VIDEO
RGB1/RGB2
IC1011 Y GAIN CONT AMP.
BUFF Q351
BUFF Q1012-Q1014
FL1016
BUFF Q1011
IC1007 C SW
BUFF Q1008-Q1010
FL1015
BUFF Q1007
IC1006 Y SW
BUFF Q1015, 1016
BUFF Q1006
AD IN
IC1001 PAL DIGITAL COMB FILTER
AYO
ACO
TST
RAT1
NT/PAL
PNR
CLPI
CLK
IC1010 INV.
BUFF Q1018
IC304 D/A CONV.
HUE
SUB HUE
COL
SUB COL
EXR-Y
EXB-Y
EXY
DI
CK
LD
SUB CONT
COM/VID
VS, VSIN
VSYNC MODE, SCL, SDA, A.O.MUTE
CN2
R/R-Y
G/Y
B/B-Y
TO H2 BOARD CN803
HDY
H/HV
V
BUFF Q310, 311
SS
VID IN
C IN
X302 4.43MHz
X303 3.58MHz
X301 500kHz
IC321 RGB DECODER
FSC OUT
32FH OUT
32FH IN
SUBCOL
CONT
HD
YO
R-YO
B-YO
AFC
60/50
358/443
NT/PAL
KILLER
CP
Y OUT
CN10
BUFF Q352
CN1001
Y BUFF Q1001
DELAY DL1001
Y BUFF Q1002-Q1004
Y BUFF Q1005
Y BUFF Q1006, Q1007
IC1001 GAIN SW
CN1002
BUFF Q1008, Q1009
CN11
APERTURE
B1 (Y)
TO BR BOARD CN6503
CN21
R-Y
B-Y
HD
VD
HD ORC
VD ORC
PIC. AGC Q326, 327
PIC. AGC Q323-325, 328
IC303 Y COLOR DIF SW
IC305 1H DELAY
AFC SW Q354
IC318 (1/4) INV.
IC318 (2/4) INV.
IC318 (3/4) INV.
IC318 (4/4) INV.
INH
HD ORC, VD ORC
R/R-Y, G/Y, B/B-Y
RGB1/RGB2, RGB/VIDEO, HDY, H/HV, V
COM/VID, YC MODE
AP
AV-L
R-Y, B-Y, Y

8-4


CN8
COL
HUE
PAL/NT
V3RGB
TO BR BOARD CN6501
L
TO BR BOARD CN6500
J
CN4
R
B
G
IC319 RGB SW
R0
B0
G0
R1
B1
G1
CONT
BUFF Q317, 322
AMP/BUFF Q506, 512, 518, 524, 530, 563
AMP/BUFF Q505, 511, 517, 523, 529, 535
AMP/BUFF Q504, 510, 516, 522, 528, 534
AMP/BUFF Q503, 509, 515, 521, 527, 533
AMP/BUFF Q502, 508, 514, 520, 526, 532
AMP/BUFF Q501, 507, 513, 519, 525, 531
IC505 RGB AMP GAIN CONTROL
R IN
B IN
G IN
R OUT
B OUT
G OUT
PIX
RDRY
BDRY
CLP
1
2
3
4
5
R/R-Y
B/B-Y
G/Y
IC301 R-Y, B-Y VCA
IN1
OUT1
CONT1
IN2
OUT2
CONT2
IC300(2/2) BUFF
IN2 OUT2
R-Y
B-Y
IC300(1/2) Y VCA
IN1 OUT1
CONT1
Y
GAIN CONTROL Q329, 330
IC501 LPF SELECT
X0
X1
X2
X3
X4
X5
X
C B A
IC502 D/A CONV.
A1 A5 A3 A8 A7 A6
DO
CK
LD
D1 A2 A4 A9
A10
A11
A12
BUFF Q573, 580, 587, 615
VS, VSIN
ASCK
DACCS
ASDTX
AV-L
VSYNC MODE, SCL, SDA, A. O. MUTE
AGC,INV. Q701, 702
BUFF Q201
Y, R-Y, B-Y
A +5V
IC713 +5V REG
+6V
COMP +5V
IC714 +5V REG
A +12V
IC712 +12V REG
+13V
IC508 (4/6) INV.
IC521 SW
IC508 (6/6) INV.
IC508 (2/6) INV.
IC526 SW
IC508 (5/6) INV.
IC528 SW
IC508 (3/6) INV.
IC527 SW
IC503 SYNC SEP
SOG
CP+
HD+
H/HV
HD-
V
VD-
VS/S
IC508 (1/6) INV.
IC317 H/V SW
HD ORC
H/HV
VD ORC
V
IC721 AND GATE
V SYNC SEP. Q202, 203
IC530 D-FF
D
CLR
CK
Q
IC522 H PULSE GEN.
BA
QA
BB
CDB
T2B
IC523 AND GATE
SW Q215
IC720 SYNC SEP
SOG
HD+
HD-
IC721 AND GATE
V SYNC SEP. Q703, 704
IC722 D-FF
IC525 D/A CONV.
CON
HD/CLP
BRT
ASCK
ASDTX
DA3CS
VOL
AP
FAN-CTRL
CN14
MATRIX
TO H2 BOARD CN813
F
HD ORC, VD ORC
SOG, ASCK, DACCS, ASDTX, VS, VSIN, VSYNC MODE, SCL, SDA, A. O. MUTE
R/R-Y, B/B-Y, G/Y
Y, R-Y, B-Y
H/HV, V
HDY
HD SOG
V POL
H POL
VSIN
HSIN
YC MODE
RGB1/RGB2
HS3
SOG
VS3
RGB/VIDEO
RS OFF
15K/23K
HD
ASCK, ASDTX, DA3CS
VOL, AP, FAN-CTRL

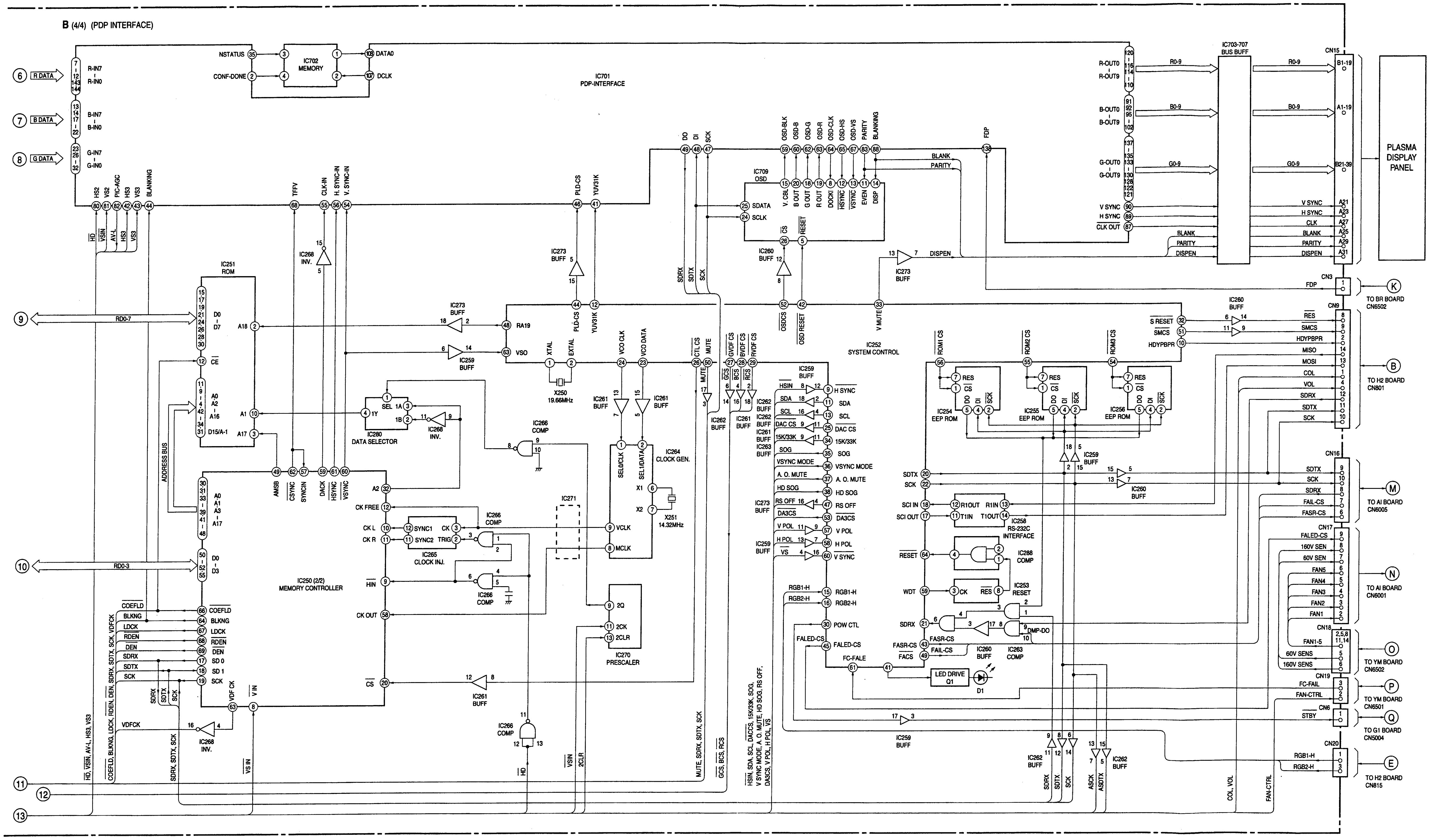
B (2/4)
(VIDEO SW, RGB AMP)



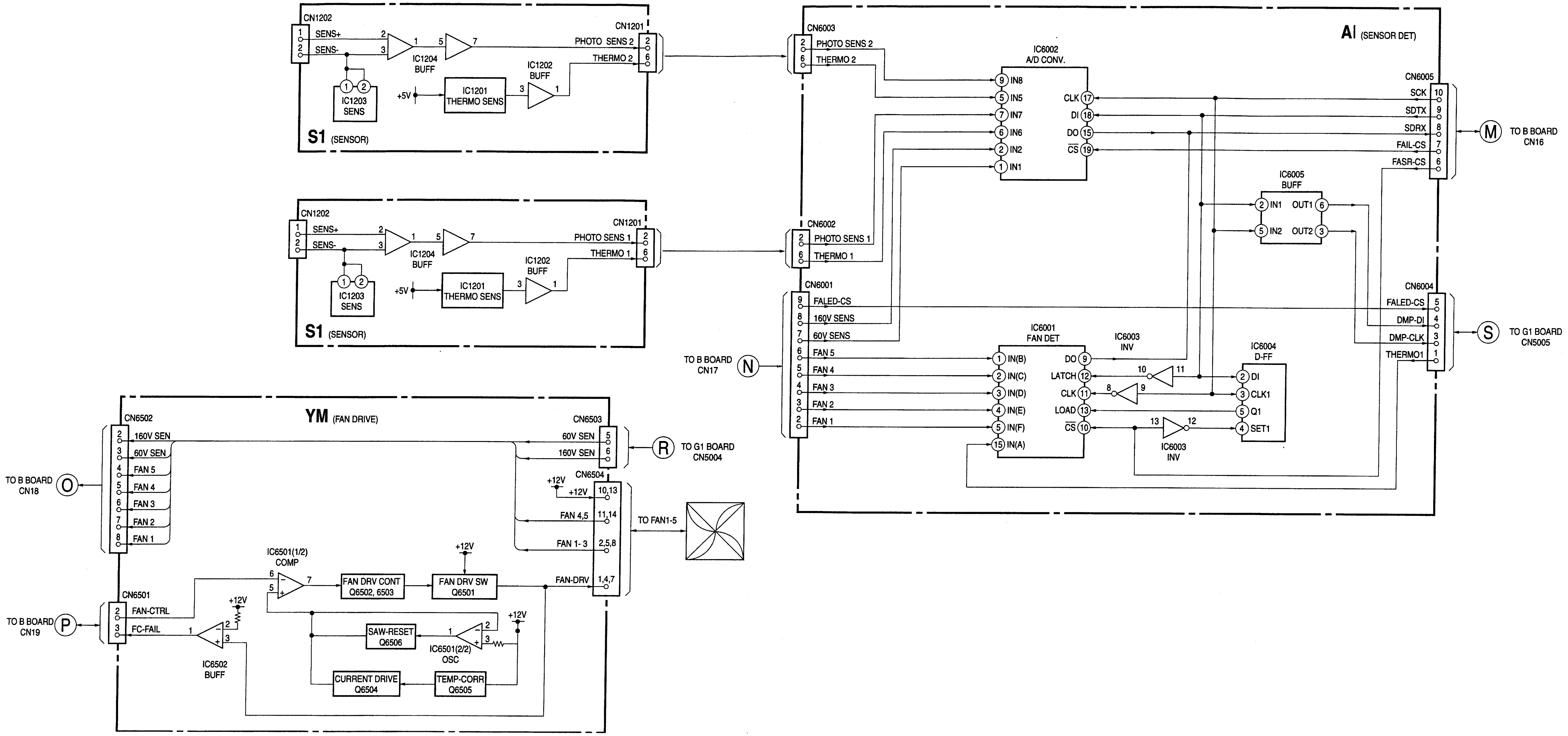
B(3/4) (FRAME MEMORY DIGITAL FILTER)

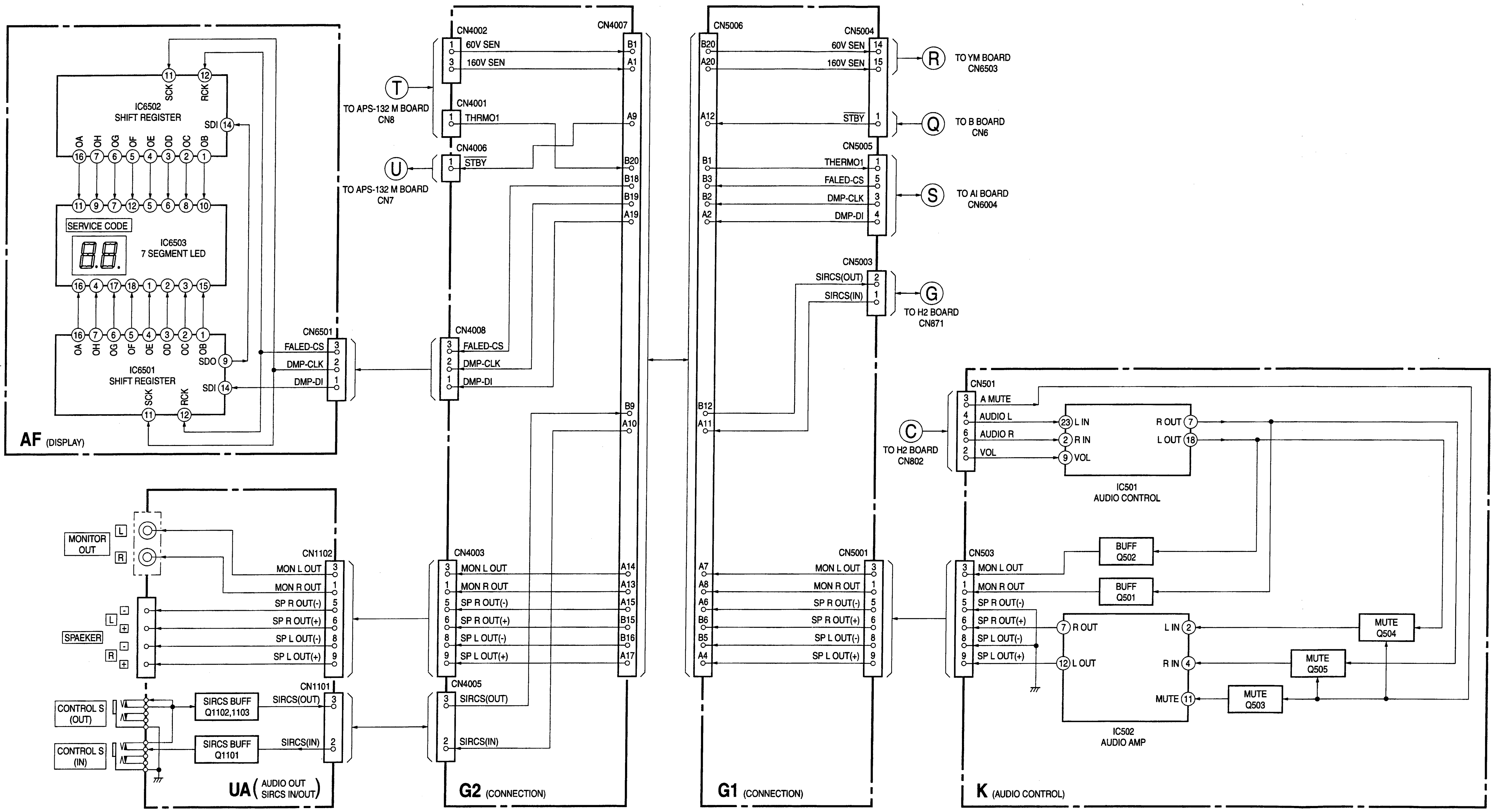
R BUFF Q613
IC510 REG
IC509 REG
IC511 R A/D CONV.
R DATA BUS
B DATA BUS
G DATA BUS
IC200 LATCH
IC201 LINE MEMORY A
IC202 LINE MEMORY B
IC208 LATCH
IC203 FRAME MEMORY A
IC204 FRAME MEMORY C
IC205 FRAME MEMORY B
IC206 FRAME MEMORY D
IC207 DIGITAL FILTER
DATA BUS
R DATA
B DATA
G DATA
RD0-7
RD0-3
IC250 (1/2) MEMORY CONTROLLER
IC267 INV.
IC276 INV.
IC277 D-FFs
IC278 INV.
IC268 INV.
IC276 D-FFs
IC275 D-FFs
2CLR
MUTE, BLKNG, VDFCK, DEN, RDEN, SCK, SDTX, SDRX, LDCK, COEFLD
RCS, BCS, GCS
FMWCK A
FMWCK B
LMWCK
RSTWAB
LMWEA
LMRCKA
RSTRA
RSTRB
LMWE B
LMRCK B
START
FWCK AC
FWCK BD
VDOE
R
B
G
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬

B (4/4)

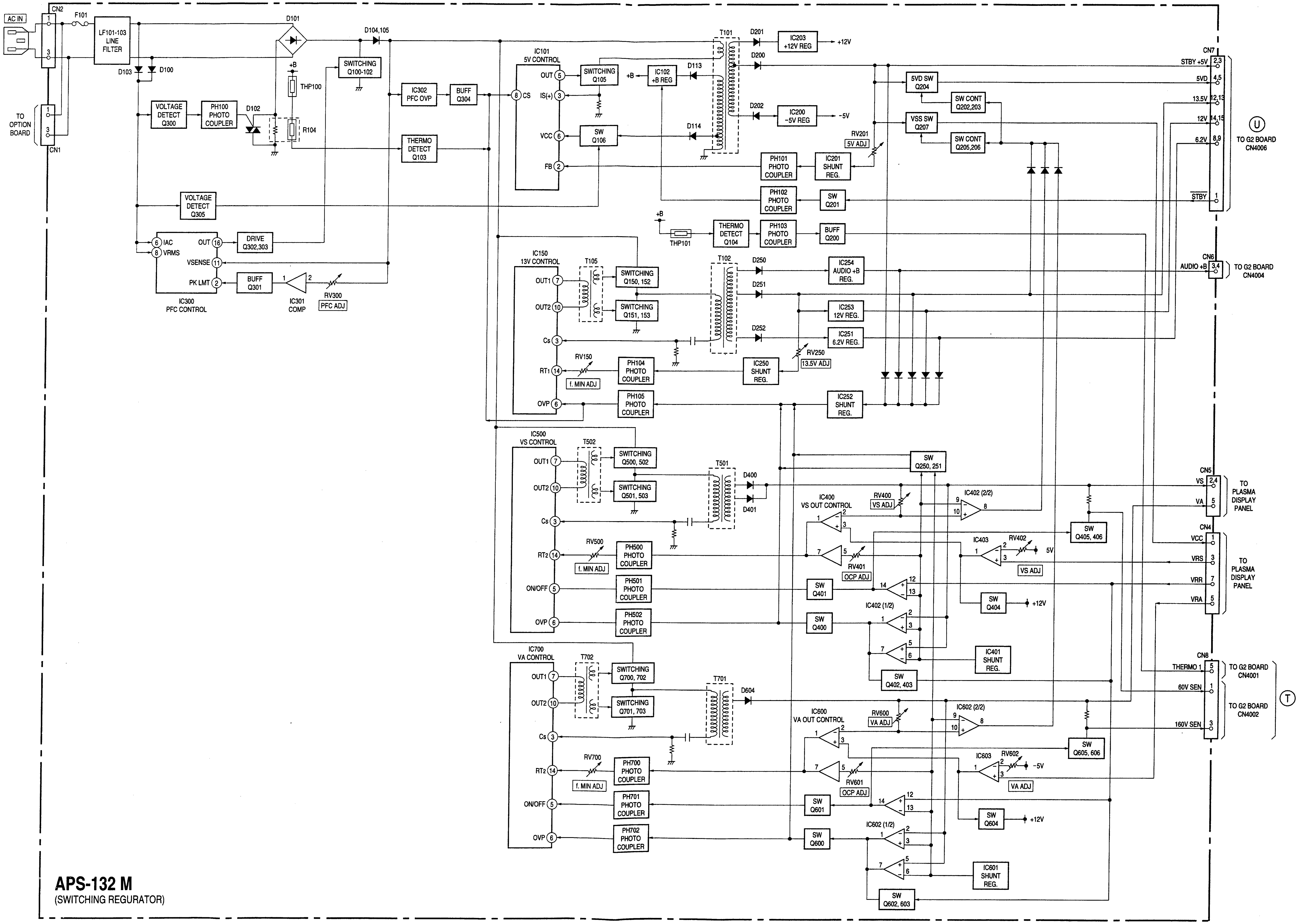

B (4/4) (PDP INTERFACE)
R DATA
B DATA
G DATA
R-IN7 R-IN0
B-IN7 B-IN0
G-IN7 G-IN0
NSTATUS
CONF-DONE
IC702 MEMORY
DATA0
DCLK
IC701 PDP-INTERFACE
IC703-707 BUS BUFF
R0-9
B0-9
G0-9
R-OUT0 R-OUT9
B-OUT0 B-OUT9
G-OUT0 G-OUT9
V SYNC
H SYNC
CLK OUT
BLANK
PARITY
DISPEN
CN15
PLASMA DISPLAY PANEL
IC709 OSD
SDATA
SCLK
IC260 BUFF
IC273 BUFF
FDP
CN3
TO BR BOARD CN6502
IC252 SYSTEM CONTROL
S RESET
SMCS
HDYPBPR
CN9
RES
SMCS
HDYPBPR
MISO
MOSI
COL
VOL
SDRX
SDTX
SCK
TO H2 BOARD CN801
IC254 EEP ROM
IC255 EEP ROM
IC256 EEP ROM
ROM1 CS
ROM2 CS
ROM3 CS
IC251 ROM
RD0-7
RD0-3
ADDRESS BUS
IC250 (2/2) MEMORY CONTROLLER
IC280 DATA SELECTOR
IC268 INV.
IC259 BUFF
IC266 COMP
IC265 CLOCK INJ.
IC271
IC264 CLOCK GEN.
X250 19.66MHz
X251 14.32MHz
IC270 PRESCALER
IC261 BUFF
IC262 BUFF
IC263 BUFF
IC258 RS-232C INTERFACE
IC288 COMP
IC253 RESET
IC263 COMP
LED DRIVE Q1
D1
CN16
TO AI BOARD CN6005
CN17
FALED-CS
160V SEN
60V SEN
FAN5
FAN4
FAN3
FAN2
FAN1
TO AI BOARD CN6001
CN18
FAN1-5
60V SENS
160V SENS
TO YM BOARD CN6502
CN19
FC-FAIL
FAN-CTRL
TO YM BOARD CN6501
CN6
STBY
TO G1 BOARD CN5004
CN20
RGB1-H
RGB2-H
TO H2 BOARD CN815
K
B
M
N
O
P
Q
E
6
7
8
9
10
11
12
13

8-7


CN1202
SENS+
SENS-
IC1204
BUFF
IC1203
SENS
+5V
IC1201
THERMO SENS
IC1202
BUFF
CN1201
PHOTO SENS 2
THERMO 2
S1 (SENSOR)
PHOTO SENS 1
THERMO 1
AI (SENSOR DET)
CN6003
CN6002
CN6001
IC6002
A/D CONV.
IN8
IN5
IN7
IN6
IN2
IN1
CLK
DI
DO
CS
CN6005
SCK
SDTX
SDRX
FAIL-CS
FASR-CS
M
TO B BOARD
CN16
IC6005
BUFF
IN1
OUT1
IN2
OUT2
CN6004
FALED-CS
DMP-DI
DMP-CLK
THERMO1
S
TO G1 BOARD
CN5005
160V SENS
60V SENS
FAN 5
FAN 4
FAN 3
FAN 2
FAN 1
TO B BOARD
CN17
N
IC6001
FAN DET
IN(B)
IN(C)
IN(D)
IN(E)
IN(F)
IN(A)
DO
LATCH
CLK
LOAD
CS
IC6003
INV
IC6004
D-FF
DI
CLK1
Q1
SET1
YM (FAN DRIVE)
CN6502
160V SEN
60V SEN
FAN 5
FAN 4
FAN 3
FAN 2
FAN 1
TO B BOARD
CN18
O
CN6503
60V SEN
160V SEN
R
TO G1 BOARD
CN5004
CN6504
+12V
FAN 4,5
FAN 1- 3
FAN-DRV
TO FAN1-5
IC6501(1/2)
COMP
FAN DRV CONT
Q6502, 6503
FAN DRV SW
Q6501
CN6501
FAN-CTRL
FC-FAIL
TO B BOARD
CN19
P
IC6502
BUFF
SAW-RESET
Q6506
IC6501(2/2)
OSC
CURRENT DRIVE
Q6504
TEMP-CORR
Q6505


AF (DISPLAY)
IC6502 SHIFT REGISTER
SCK
RCK
SDI
QA QH QG QF QE QD QC QB
SERVICE CODE
IC6503 7 SEGMENT LED
IC6501 SHIFT REGISTER
SDO
CN6501
FALED-CS
DMP-CLK
DMP-DI
T
TO APS-132 M BOARD CN8
U
TO APS-132 M BOARD CN7
CN4002
60V SEN
160V SEN
CN4001
THRMO1
CN4006
STBY
CN4007
CN4008
CN4003
CN4005
MON L OUT
MON R OUT
SP R OUT(-)
SP R OUT(+)
SP L OUT(-)
SP L OUT(+)
SIRCS(OUT)
SIRCS(IN)
G2 (CONNECTION)
CN5006
CN5004
CN5005
THERMO1
FALED-CS
DMP-CLK
DMP-DI
CN5003
CN5001
G1 (CONNECTION)
R
TO YM BOARD CN6503
Q
TO B BOARD CN6
S
TO AI BOARD CN6004
G
TO H2 BOARD CN871
C
TO H2 BOARD CN802
MONITOR OUT
L
R
SPAEKER
CONTROL S (OUT)
CONTROL S (IN)
SIRCS BUFF Q1102,1103
SIRCS BUFF Q1101
CN1102
CN1101
UA (AUDIO OUT SIRCS IN/OUT)
CN501
A MUTE
AUDIO L
AUDIO R
VOL
L IN
R IN
R OUT
L OUT
IC501 AUDIO CONTROL
CN503
BUFF Q502
BUFF Q501
IC502 AUDIO AMP
MUTE Q504
MUTE Q505
MUTE Q503
MUTE
K (AUDIO CONTROL)

APS-132 M

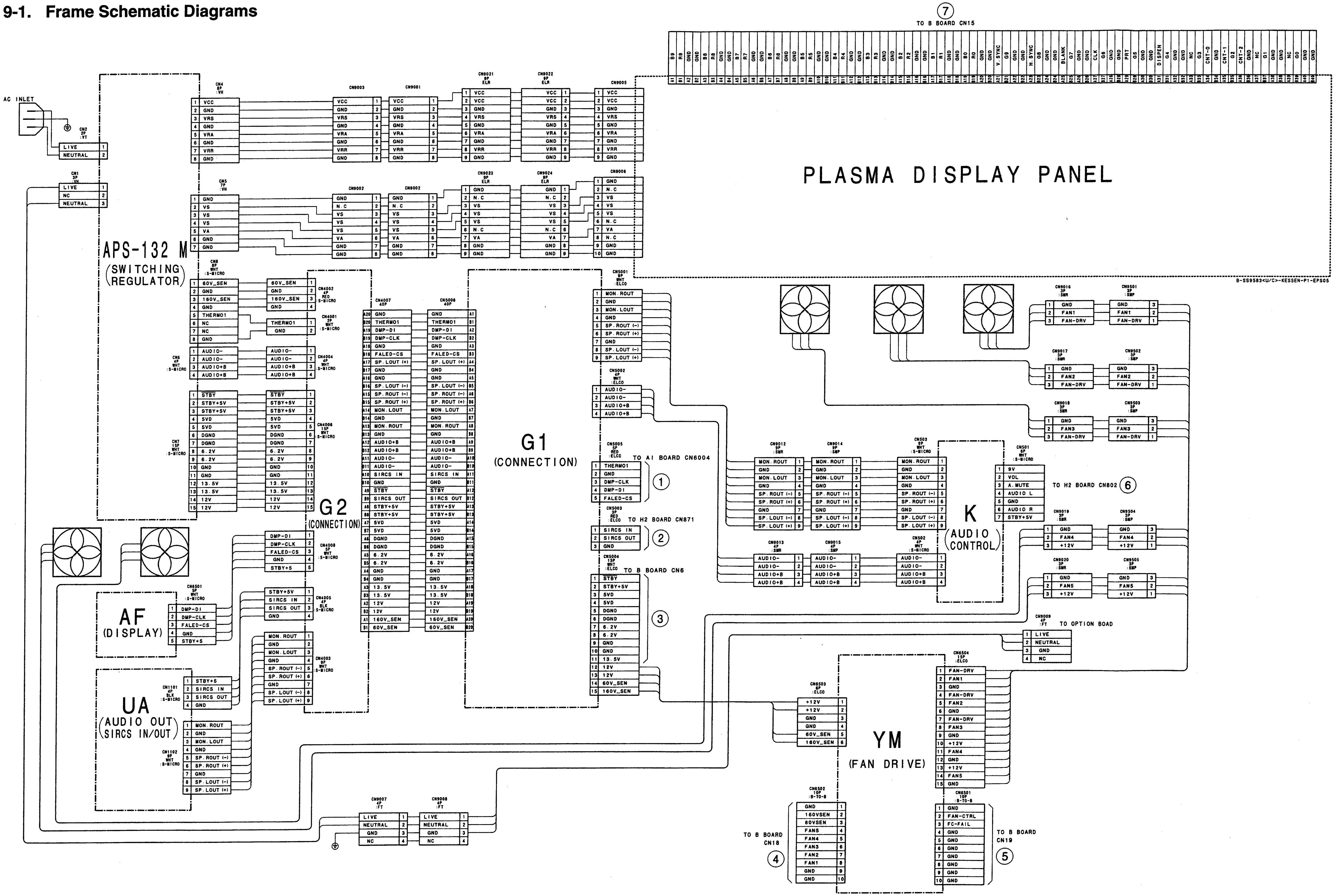

AC IN
CN2
F101
LF101-103
LINE
FILTER
D103
D100
TO
OPTION
BOARD
CN1
D101
D104,105
+B
THP100
SWITCHING
Q100-102
VOLTAGE
DETECT
Q300
PH100
PHOTO
COUPLER
D102
R104
IC302
PFC OVP
BUFF
Q304
THERMO
DETECT
Q103
VOLTAGE
DETECT
Q305
IAC
VRMS
OUT
VSENSE
PK LMT
DRIVE
Q302,303
BUFF
Q301
IC301
COMP
RV300
PFC ADJ
IC300
PFC CONTROL
IC101
5V CONTROL
OUT
CS
IS(+)
VCC
FB
SWITCHING
Q105
SW
Q106
IC102
+B REG
D113
D114
T101
D201
D200
D202
IC203
+12V REG
+12V
IC200
-5V REG
-5V
RV201
5V ADJ
PH101
PHOTO
COUPLER
IC201
SHUNT
REG.
PH102
PHOTO
COUPLER
SW
Q201
THP101
THERMO
DETECT
Q104
PH103
PHOTO
COUPLER
BUFF
Q200
5VD SW
Q204
VSS SW
Q207
SW CONT
Q202,203
SW CONT
Q205,206
CN7
STBY +5V
5VD
13.5V
12V
6.2V
STBY
TO G2 BOARD
CN4006
U
IC150
13V CONTROL
OUT1
OUT2
Cs
RT1
OVP
T105
SWITCHING
Q150, 152
SWITCHING
Q151, 153
T102
D250
D251
D252
IC254
AUDIO +B
REG.
IC253
12V REG.
IC251
6.2V REG.
RV250
13.5V ADJ
IC250
SHUNT
REG.
RV150
f. MIN ADJ
PH104
PHOTO
COUPLER
PH105
PHOTO
COUPLER
IC252
SHUNT
REG.
CN6
AUDIO +B
TO G2 BOARD
CN4004
IC500
VS CONTROL
T502
SWITCHING
Q500, 502
SWITCHING
Q501, 503
T501
D400
D401
RV500
f. MIN ADJ
PH500
PHOTO
COUPLER
ON/OFF
PH501
PHOTO
COUPLER
PH502
PHOTO
COUPLER
SW
Q250, 251
IC400
VS OUT CONTROL
RV400
VS ADJ
IC402 (2/2)
RV401
OCP ADJ
IC403
RV402
5V
VS ADJ
SW
Q405, 406
SW
Q401
SW
Q400
SW
Q404
+12V
IC402 (1/2)
IC401
SHUNT
REG.
SW
Q402, 403
CN5
VS
VA
TO
PLASMA
DISPLAY
PANEL
CN4
VCC
VRS
VRR
VRA
TO
PLASMA
DISPLAY
PANEL
CN8
THERMO 1
60V SEN
160V SEN
TO G2 BOARD
CN4001
TO G2 BOARD
CN4002
T
IC700
VA CONTROL
T702
SWITCHING
Q700, 702
SWITCHING
Q701, 703
T701
D604
RV700
f. MIN ADJ
PH700
PHOTO
COUPLER
PH701
PHOTO
COUPLER
PH702
PHOTO
COUPLER
IC600
VA OUT CONTROL
RV600
VA ADJ
IC602 (2/2)
RV601
OCP ADJ
IC603
RV602
-5V
VA ADJ
SW
Q605, 606
SW
Q601
SW
Q600
SW
Q604
+12V
IC602 (1/2)
IC601
SHUNT
REG.
SW
Q602, 603

APS-132 M
(SWITCHING REGURATOR)

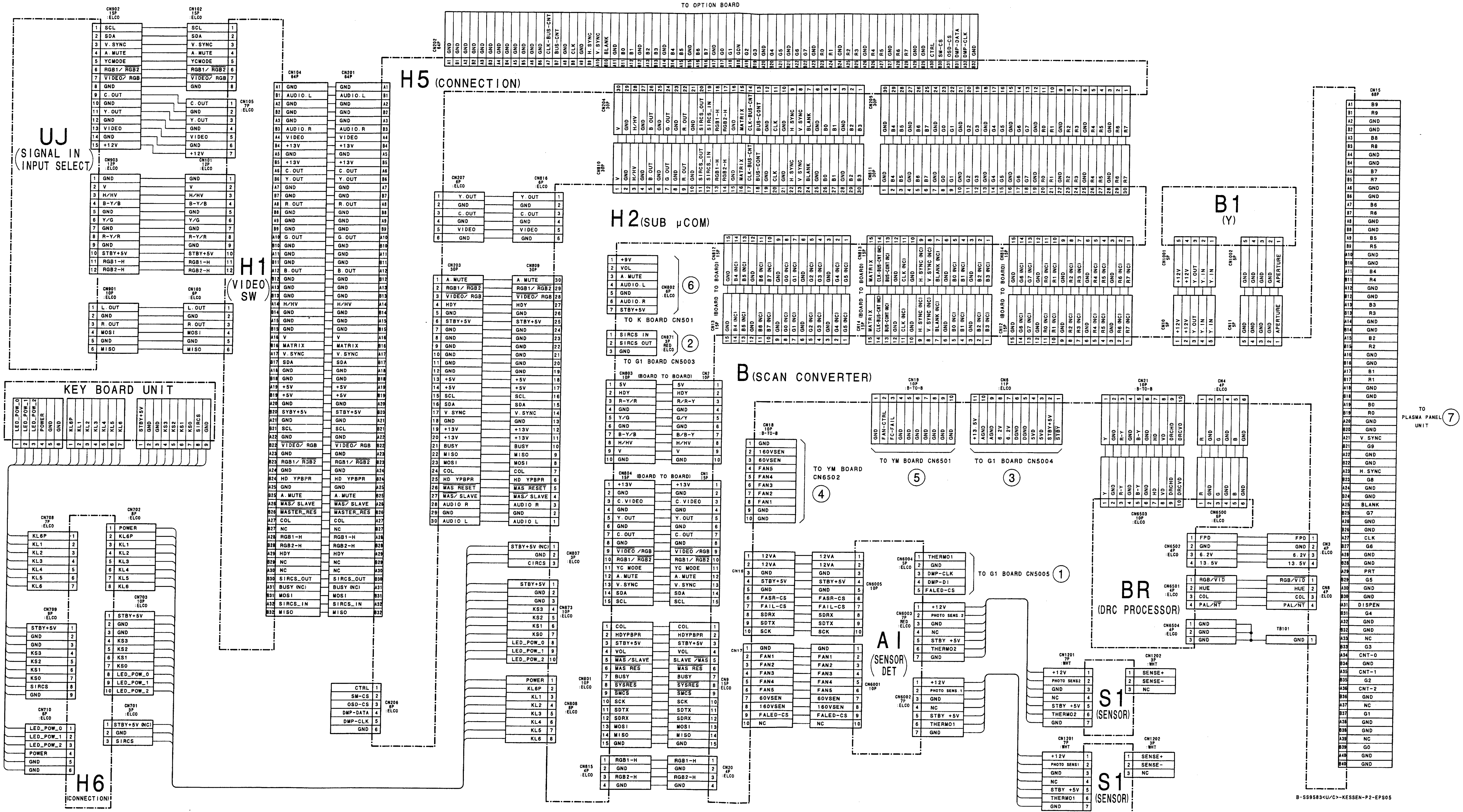
8-10

Section 9
Diagrams

9-1. Frame Schematic Diagrams

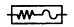


TO B BOARD CN15
PLASMA DISPLAY PANEL
AC INLET
APS-132 M
(SWITCHING REGULATOR)
G2
(CONNECTION)
G1
(CONNECTION)
TO A1 BOARD CN6004
TO H2 BOARD CN871
TO B BOARD CN6
AF
(DISPLAY)
UA
(AUDIO OUT SIRCS IN/OUT)
K
(AUDIO CONTROL)
TO H2 BOARD CN802
TO OPTION BOAD
YM
(FAN DRIVE)
TO B BOARD CN18
TO B BOARD CN19
①
②
③
④
⑤
⑥
⑦


TO OPTION BOARD
UJ
(SIGNAL IN / INPUT SELECT)
CN902 15P
CN102 15P
CN903 12P
CN101 12P
CN901 10P
CN103 6P
CN105 7P
KEY BOARD UNIT
H1
(VIDEO SW)
CN104 64P
CN201 64P
H5 (CONNECTION)
CN202 64P
CN204 30P
CN205 30P
CN810 30P
CN811 30P
CN207 6P
CN816 6P
CN203 30P
CN809 30P
CN206 6P
H2 (SUB μCOM)
CN802 8P
TO K BOARD CN501
⑥
CN871 3P
TO G1 BOARD CN5003
②
CN803 10P (BOARD TO BOARD) CN1 10P
CN804 15P (BOARD TO BOARD) CN1 15P
CN807 3P
CN873 10P
CN801 10P
CN808 8P
CN9 15P
CN815 4P
CN20 4P
CN817 15P
CN813 15P
CN814 15P
CN12
CN14
CN15
(BOARD TO BOARD)
B1
(Y)
CN1001 5P
CN1002 5P
CN10 5P
CN11 5P
B (SCAN CONVERTER)
CN19 10P
CN8 11P
CN21 10P
CN4 4P
CN18 10P
TO YM BOARD CN6502
④
TO YM BOARD CN6501
⑤
TO G1 BOARD CN5004
③
CN6503 10P
CN6500 4P
CN16
CN17
CN6005 10P
CN6001 10P
CN6004 5P
TO G1 BOARD CN5005
①
CN6003 7P
CN6002 7P
A1
(SENSOR DET)
CN1201 7P
CN1202 3P
S1
(SENSOR)
CN1201 7P
CN1202 3P
S1
(SENSOR)
BR
(DRC PROCESSOR)
CN6502 4P
CN6501 4P
CN6504 4P
CN3 4P
CN8 4P
TB101
CN15 68P
TO PLASMA PANEL UNIT
⑦
CN708 7P
CN702 8P
CN709 9P
CN703 10P
CN710 6P
CN701 3P
H6
(CONNECTION)
B-SS9583<U/C>-KESSEN-P2-EPS05

9-2. Schematic Diagrams and Printed Wiring Boards

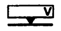
Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics.
- All electrolytics are in 50 V unless otherwise specified.
-  : fusible resistor
- : nonflammable resistor
- Δ : internal component
- ▭ : panel designation and adjustment for repair
- Caution when replacing chip parts
  New parts must be attached after removal of the chip.
  Be careful not to heat the minus side of a tantalum capacitor, because it is easily damaged by the heat.

Reference information

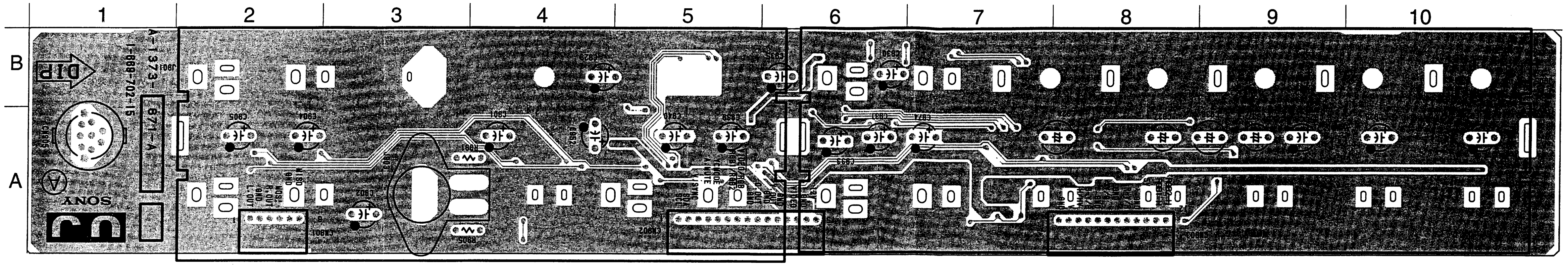
RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NONFLAMMABLE CARBON
	FUSE	: NONFLAMMABLE FUSIBLE
	RS	: NONFLAMMABLE METAL OXIDE
	RB	: NONFLAMMABLE CEMENT
	RW	: NONFLAMMABLE WIREWOUND
	※	: ADJUSTMENT RESISTOR
COIL	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

[Measuring conditions, voltage and waveform]

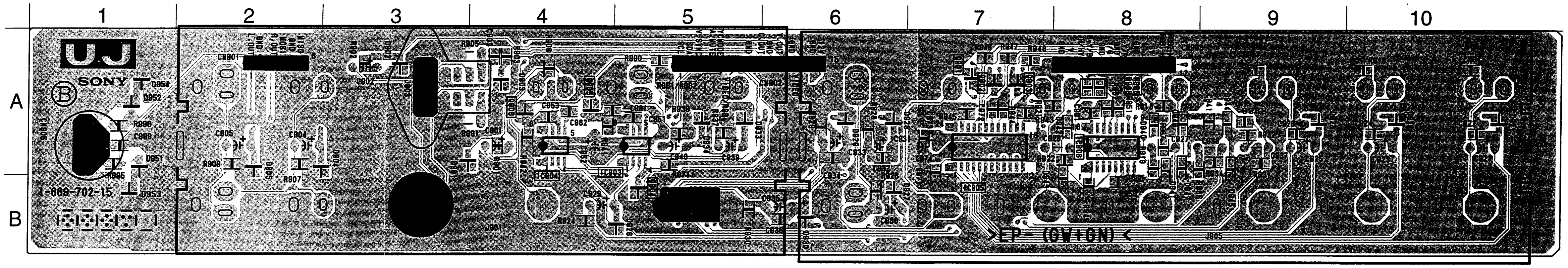
- A voltage value is the reference value between the measurement point and the earth, when the NTSC color bar signal is received from the color bar generator (digital multi-meter used: 10 M ohms/ V DC).
- Unit of voltage is V (volt).
-  : B+line
  : B– line
- Voltage variations may occur due to normal production tolerances.
- ★ : Measurement disabled.
- Circled numbers indicate the reference waveform.
- ⇨ : Signal path.

The components identified marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par la marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.


1
2
3
4
5
6
7
8
9
10
B
A
DIP
SONY
1-673-
1-889-702-15
UJ

UJ - A SIDE -
SUFFIX: -15

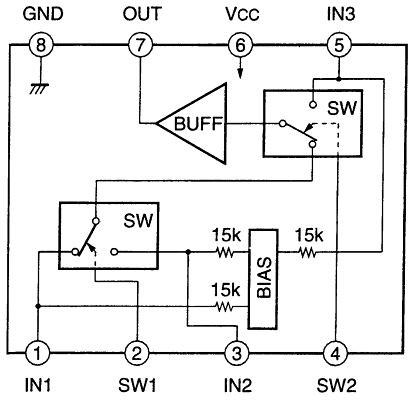

1
2
3
4
5
6
7
8
9
10
A
B
UJ
SONY
B
1-889-702-15
IC904
IC903
IC905
>EP (GW+GN)<

UJ - B SIDE -
SUFFIX: -15

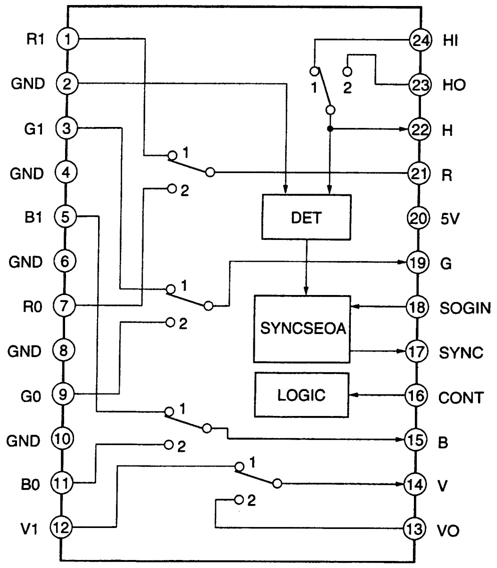
UJ BOARD
*: B SIDE

D901	*A-3
D902	*A-3
D903	*A-4
D904	*A-3
D905	*A-2
D921	*A-10
D922	*A-10
D923	*A-9
D926	*B-5
D927	*B-6
D928	*A-6
D929	*A-6
D930	*B-6
D933	*A-5
D934	*A-5
D940	*A-8
D941	*A-8
D942	*A-8
D943	*A-8
D944	*A-9
D945	*A-9
D946	*A-8
D947	*A-8
D951	*A-1
D952	*A-1
D953	*B-1
D954	*A-1
IC903	*A-5
IC904	*A-4
IC905	*A-7
IC906	*A-8
Q901	*A-7
Q902	*A-7
Q903	*A-7
Q904	*B-5
Q905	*A-4
Q906	*A-4

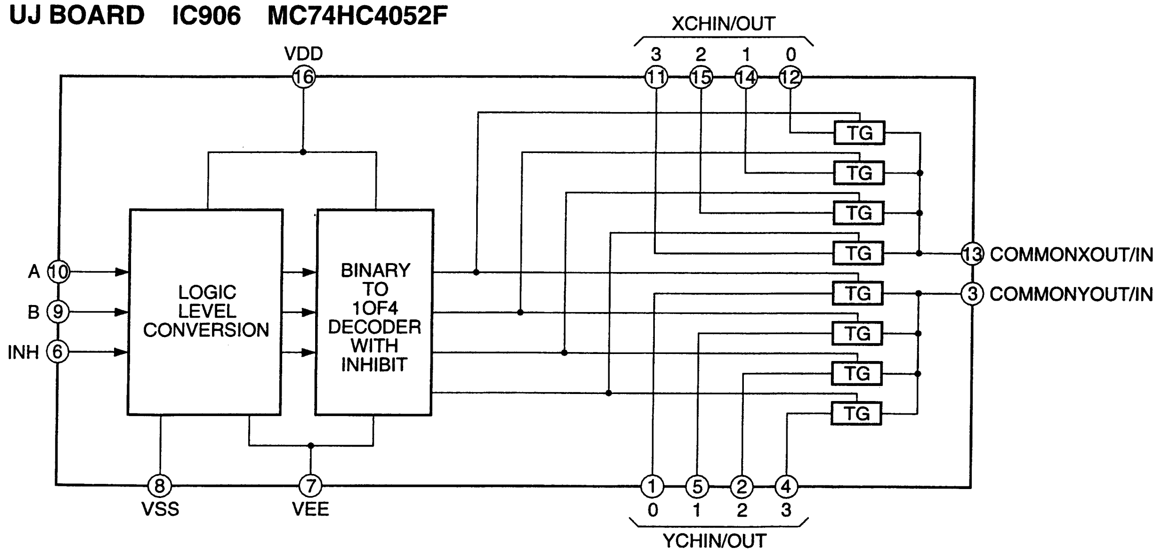
UJ BOARD IC903, IC904 MM1113XFBE

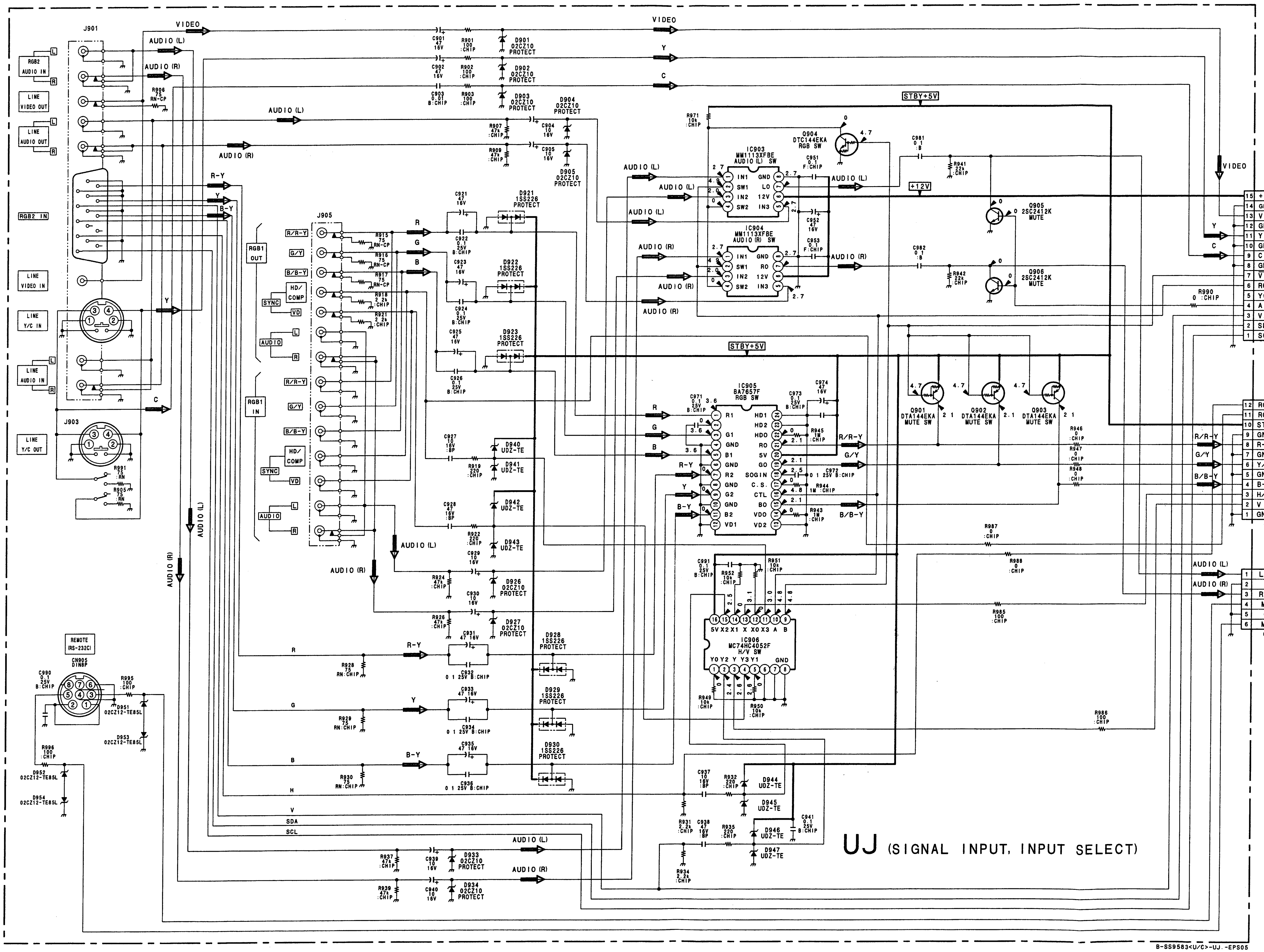

GND
OUT
Vcc
IN3
⑧
⑦
⑥
⑤
BUFF
SW
SW
15k
15k
15k
BIAS
①
②
③
④
IN1
SW1
IN2
SW2

UJ BOARD IC905 BA7657F

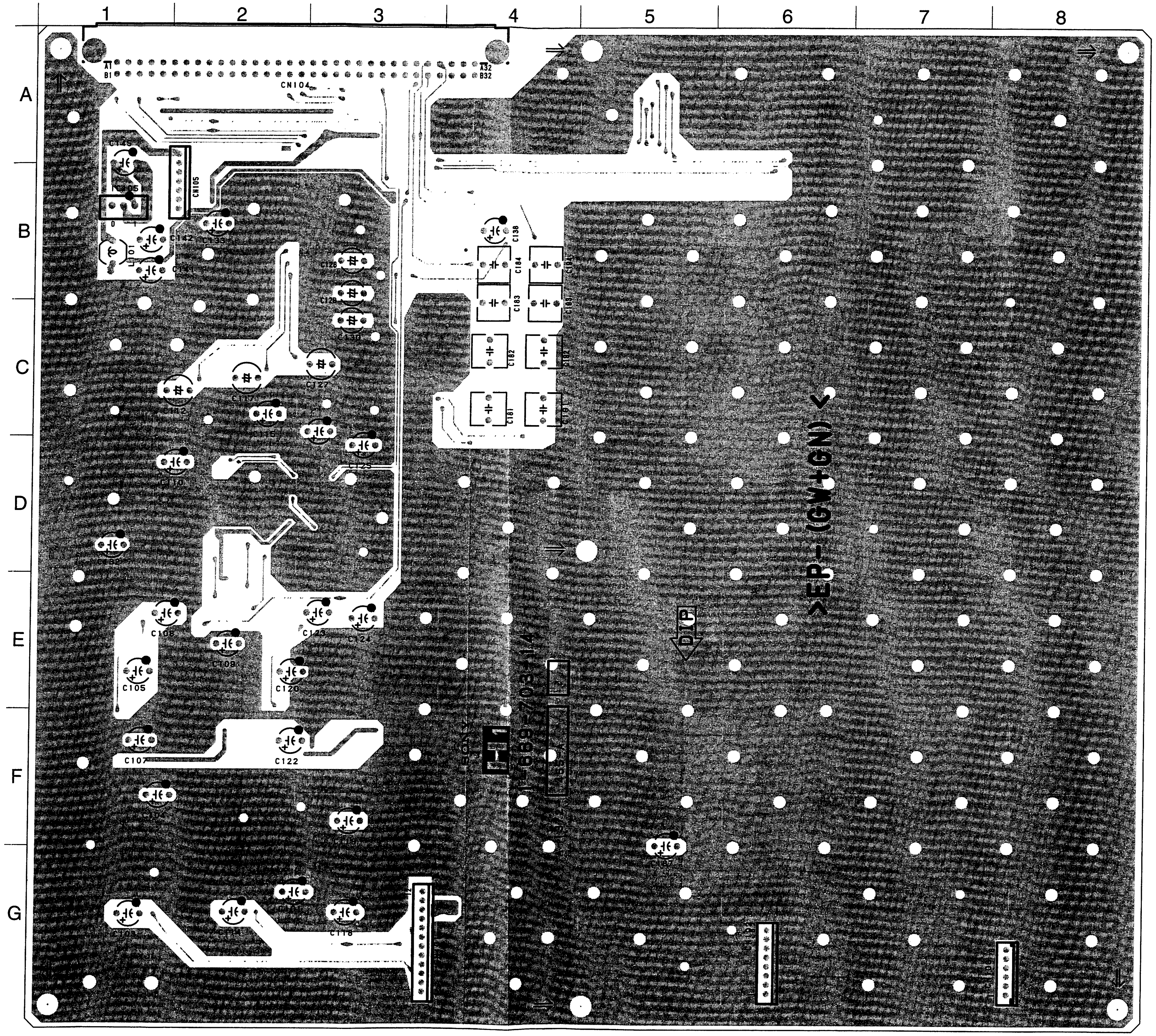

R1 ①
GND ②
G1 ③
GND ④
B1 ⑤
GND ⑥
R0 ⑦
GND ⑧
G0 ⑨
GND ⑩
B0 ⑪
V1 ⑫
㉔ HI
㉓ HO
㉒ H
㉑ R
⑳ 5V
⑲ G
⑱ SOGIN
⑰ SYNC
⑯ CONT
⑮ B
⑭ V
⑬ VO
1
2
DET
SYNCSEOA
LOGIC

UJ BOARD IC906 MC74HC4052F


XCHIN/OUT
3 2 1 0
VDD
⑯
⑪ ⑮ ⑭ ⑫
A ⑩
B ⑨
INH ⑥
LOGIC LEVEL CONVERSION
BINARY TO 1OF4 DECODER WITH INHIBIT
TG
⑬ COMMONXOUT/IN
③ COMMONYOUT/IN
⑧
VSS
⑦
VEE
① ⑤ ② ④
0 1 2 3
YCHIN/OUT


J901
RGB2 AUDIO IN
LINE VIDEO OUT
LINE AUDIO OUT
RGB2 IN
LINE VIDEO IN
LINE Y/C IN
LINE AUDIO IN
J903
LINE Y/C OUT
VIDEO
AUDIO (L)
AUDIO (R)
R-Y
Y
B-Y
C
J905
RGB1 OUT
RGB1 IN
R/R-Y
G/Y
B/B-Y
HD/COMP
SYNC
VD
AUDIO
D901 02CZ10 PROTECT
D902 02CZ10 PROTECT
D903 02CZ10 PROTECT
D904 02CZ10 PROTECT
D905 02CZ10 PROTECT
D921 1SS226 PROTECT
D922 1SS226 PROTECT
D923 1SS226 PROTECT
D926 02CZ10 PROTECT
D927 02CZ10 PROTECT
D928 1SS226 PROTECT
D929 1SS226 PROTECT
D930 1SS226 PROTECT
D933 02CZ10 PROTECT
D934 02CZ10 PROTECT
D940 UDZ-TE
D941 UDZ-TE
D942 UDZ-TE
D943 UDZ-TE
D944 UDZ-TE
D945 UDZ-TE
D946 UDZ-TE
D947 UDZ-TE
STBY+5V
+12V
IC903 MM1113XFBE AUDIO (L) SW
IC904 MM1113XFBE AUDIO (R) SW
IN1 GND SW1 LO IN2 12V SW2 IN3
IN1 GND SW1 RO IN2 12V SW2 IN3
Q904 DTC144EKA RGB SW
Q905 2SC2412K MUTE
Q906 2SC2412K MUTE
IC905 BA7657F RGB SW
R1 G1 GND B1 GND R2 GND G2 GND B2 VD1
HD1 HD2 HDO 5V GO SOGIN C.S. CTL BO VDO VD2
Q901 DTA144EKA MUTE SW
Q902 DTA144EKA MUTE SW
Q903 DTA144EKA MUTE SW
IC906 MC74HC4052F H/V SW
5V X2 X1 X X0 X3 A B
Y0 Y2 Y Y3 Y1 GND
REMOTE (RS-232C)
CN905 DIN8P
D951 02CZ12-TE85L
D952 02CZ12-TE85L
D953 02CZ12-TE85L
D954 02CZ12-TE85L
15 +12V
14 GND
13 VIDEO
12 GND
11 Y.OUT
10 GND
9 C.OUT
8 GND
7 VIDEO/RGB
6 RGB1/RGB2
5 YCMODE
4 A.MUTE
3 V.SYNC
2 SDA
1 SCL
CN902 15P :ELCO
TO H1 BOARD CN105
TO H1 BOARD CN102
12 RGB2-H
11 RGB1-H
10 STBY+5V
9 GND
8 R-Y/R
7 GND
6 Y/G
5 GND
4 B-Y/B
3 H/HV
2 V
1 GND
CN903 12P :ELCO
TO H1 BOARD CN101
1 L.OUT
2 GND
3 R.OUT
4 MOSI
5 GND
6 MISO
CN901 6P :ELCO
TO H1 BOARD CN103
R/R-Y
G/Y
B/B-Y
R
G
B
H
V
SDA
SCL
B-SS9583<U/C>-UJ.-EPS05

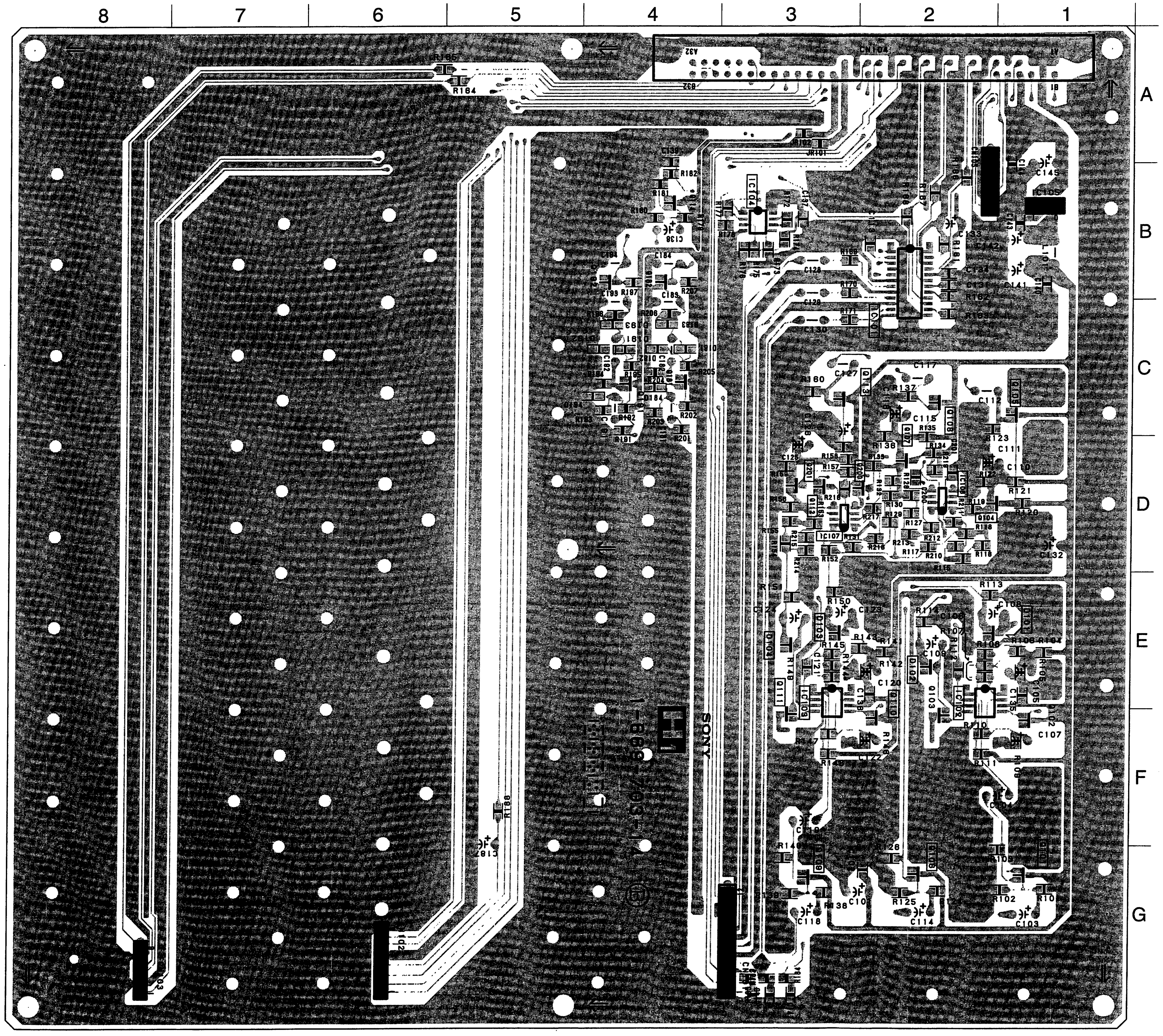
UJ (SIGNAL INPUT, INPUT SELECT)


1
2
3
4
5
6
7
8
A
B
C
D
E
F
G
A1
B1
A32
B32
CN104
CN105
C105
C107
C108
C109
C120
C122
C123
C124
C127
C138
C181
C182
C183
C184
C187
SONY
H1
1-669-703-14
DIP
>EP- (GW+GN)<

H1 - A SIDE -
SUFFIX: -14

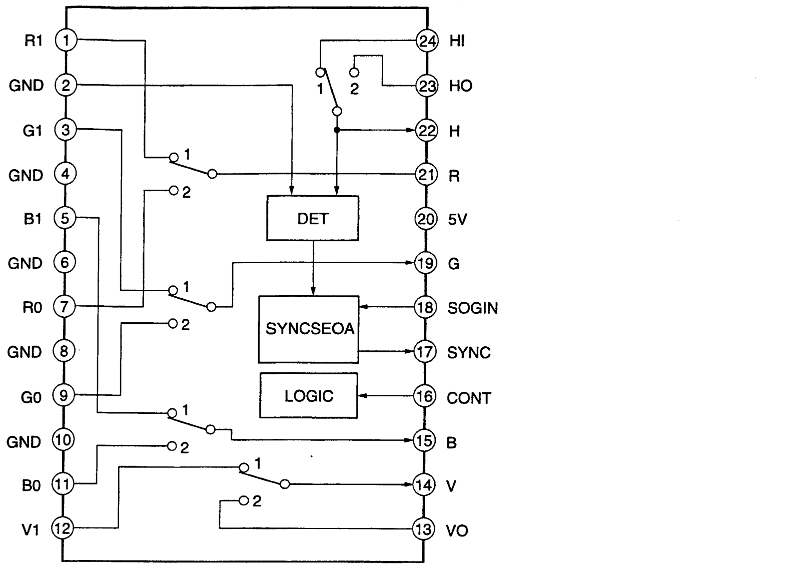
H1 BOARD
*: B SIDE

D101	*E-2
D102	*E-2
D103	*E-3
D104	*E-3
D181	*C-4
D182	*C-4
D183	*C-4
D184	*C-4
D191	*C-4
D192	*C-4
D193	*C-4
D194	*C-4
IC101	*B-2
IC102	*E-2
IC103	*E-3
IC104	*B-3
IC105	*B-1
IC106	*D-2
IC107	*D-3
Q101	*G-1
Q102	*F-1
Q103	*F-2
Q104	*D-2
Q105	*C-1
Q106	*G-2
Q107	*D-2
Q108	*C-2
Q109	*G-3
Q110	*F-2
Q111	*F-3
Q112	*D-3
Q113	*C-3
Q114	*B-4
Q181	*C-4
Q182	*B-4
Q191	*C-4
Q192	*B-4
Q200	*D-3
Q201	*D-3

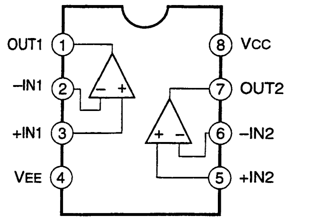

8
7
6
5
4
3
2
1
A
B
C
D
E
F
G
CN104
SONY

H1 - B SIDE -
SUFFIX: -14

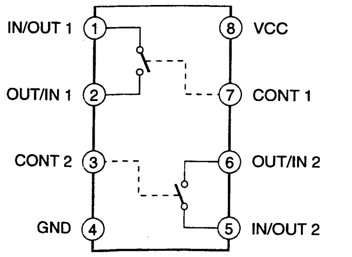
H1 BOARD IC101 BA7657F


R1 1
GND 2
G1 3
GND 4
B1 5
GND 6
R0 7
GND 8
G0 9
GND 10
B0 11
V1 12
24 HI
23 HO
22 H
21 R
20 5V
19 G
18 SOGIN
17 SYNC
16 CONT
15 B
14 V
13 VO
DET
SYNCSEOA
LOGIC
1
2

H1 BOARD IC104 BA10358F


OUT1 1
–IN1 2
+IN1 3
VEE 4
8 VCC
7 OUT2
6 –IN2
5 +IN2

H1 BOARD IC107 TC4W66F


IN/OUT 1 1
OUT/IN 1 2
CONT 2 3
GND 4
8 VCC
7 CONT 1
6 OUT/IN 2
5 IN/OUT 2

1

—

2

—

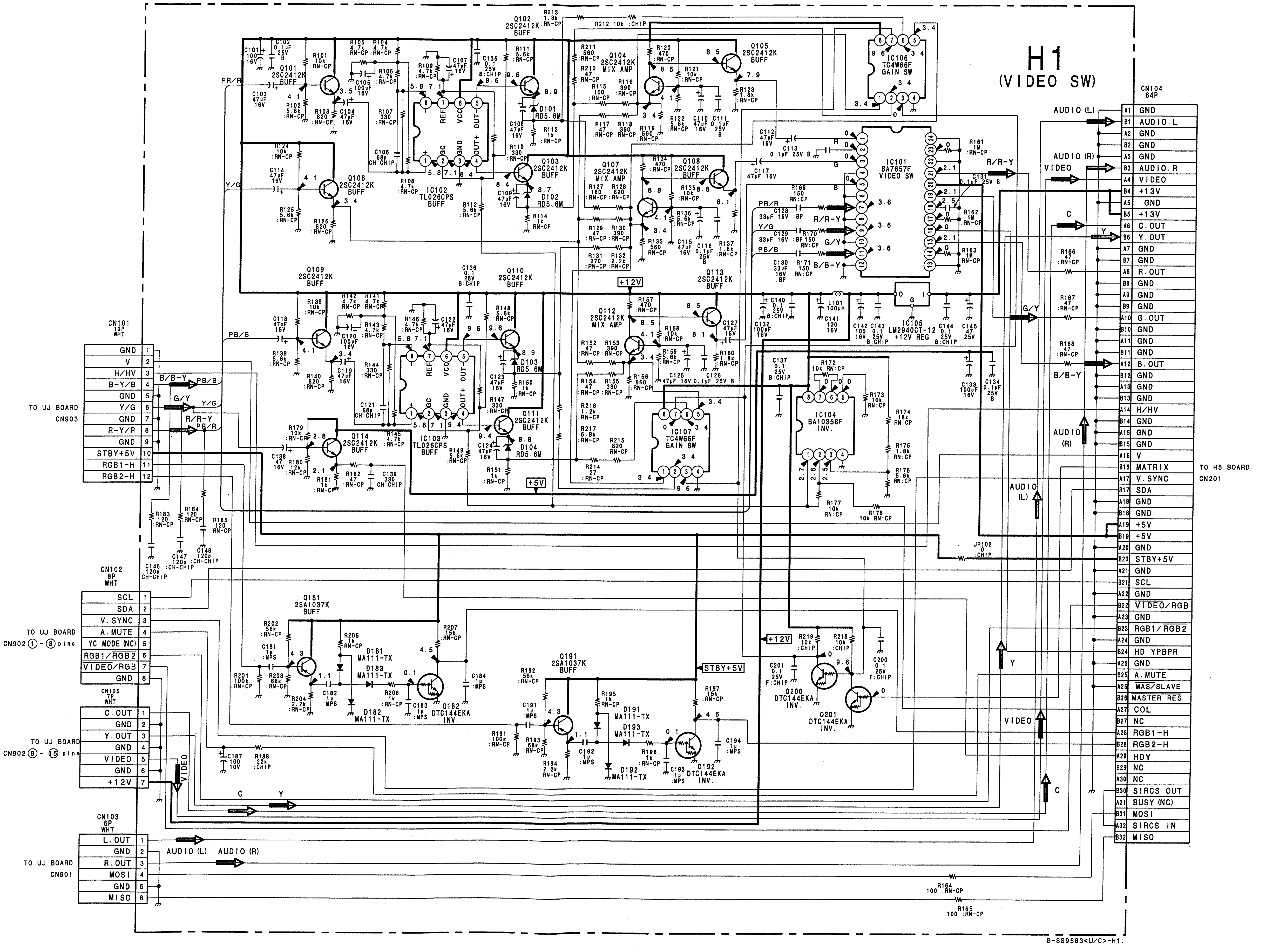
3

—

4

—

5

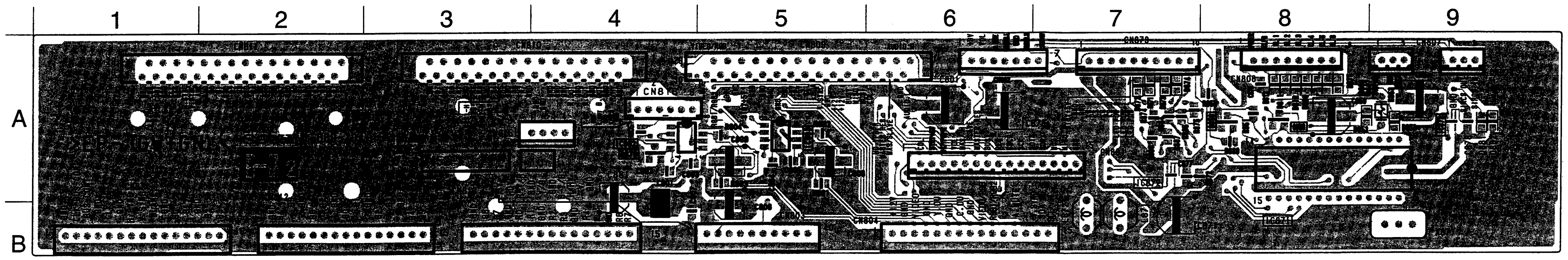

H1
(VIDEO SW)
CN101 12P WHT
GND
V
H/HV
B-Y/B
GND
Y/G
GND
R-Y/R
GND
STBY+5V
RGB1-H
RGB2-H
TO UJ BOARD CN903
CN102 8P WHT
SCL
SDA
V.SYNC
A.MUTE
YC MODE (NC)
RGB1/RGB2
VIDEO/RGB
GND
TO UJ BOARD CN902 ①-⑧ pins
CN105 7P WHT
C.OUT
GND
Y.OUT
GND
VIDEO
GND
+12V
TO UJ BOARD CN902 ⑨-⑮ pins
CN103 6P WHT
L.OUT
GND
R.OUT
MOSI
GND
MISO
TO UJ BOARD CN901
AUDIO (L)
AUDIO (R)
CN104 64P
A1 GND
B1 AUDIO.L
A2 GND
B2 GND
A3 GND
B3 AUDIO.R
A4 VIDEO
B4 +13V
A5 GND
B5 +13V
A6 C.OUT
B6 Y.OUT
A7 GND
B7 GND
A8 R.OUT
B8 GND
A9 GND
B9 GND
A10 G.OUT
B10 GND
A11 GND
B11 GND
A12 B.OUT
B12 GND
A13 GND
B13 GND
A14 H/HV
B14 GND
A15 GND
B15 GND
A16 V
B16 MATRIX
A17 V.SYNC
B17 SDA
A18 GND
B18 GND
A19 +5V
B19 +5V
A20 GND
B20 STBY+5V
A21 GND
B21 SCL
A22 GND
B22 VIDEO/RGB
A23 GND
B23 RGB1/RGB2
A24 GND
B24 HD YPBPR
A25 GND
B25 A.MUTE
A26 MAS/SLAVE
B26 MASTER RES
A27 COL
B27 NC
A28 RGB1-H
B28 RGB2-H
A29 HDY
B29 NC
A30 NC
B30 SIRCS OUT
A31 BUSY (NC)
B31 MOSI
A32 SIRCS IN
B32 MISO
TO H5 BOARD CN201
Q101 2SC2412K BUFF
Q102 2SC2412K BUFF
Q103 2SC2412K BUFF
Q104 2SC2412K MIX AMP
Q105 2SC2412K BUFF
Q106 2SC2412K BUFF
Q107 2SC2412K MIX AMP
Q108 2SC2412K BUFF
Q109 2SC2412K BUFF
Q110 2SC2412K BUFF
Q111 2SC2412K BUFF
Q112 2SC2412K MIX AMP
Q113 2SC2412K BUFF
Q114 2SC2412K BUFF
IC101 BA7657F VIDEO SW
IC102 TL026CPS BUFF
IC103 TL026CPS BUFF
IC104 BA10358F INV.
IC105 LM2940CT-12 +12V REG
IC106 TC4W66F GAIN SW
IC107 TC4W66F GAIN SW
D101 RD5.6M
D102 RD5.6M
D103 RD5.6M
D104 RD5.6M
Q181 2SA1037K BUFF
Q182 DTC144EKA INV.
D181 MA111-TX
D182 MA111-TX
D183 MA111-TX
Q191 2SA1037K BUFF
Q192 DTC144EKA INV.
D191 MA111-TX
D192 MA111-TX
D193 MA111-TX
Q200 DTC144EKA INV.
Q201 DTC144EKA INV.
L101 100μH
JR102 0 CHIP
R164 100 :RN-CP
R165 100 :RN-CP
PR/R
Y/G
PB/B
B/B-Y
G/Y
R/R-Y
+12V
+5V
STBY+5V
VIDEO
C
Y
B-SS9583<U/C>-H1.

9-8 9-8

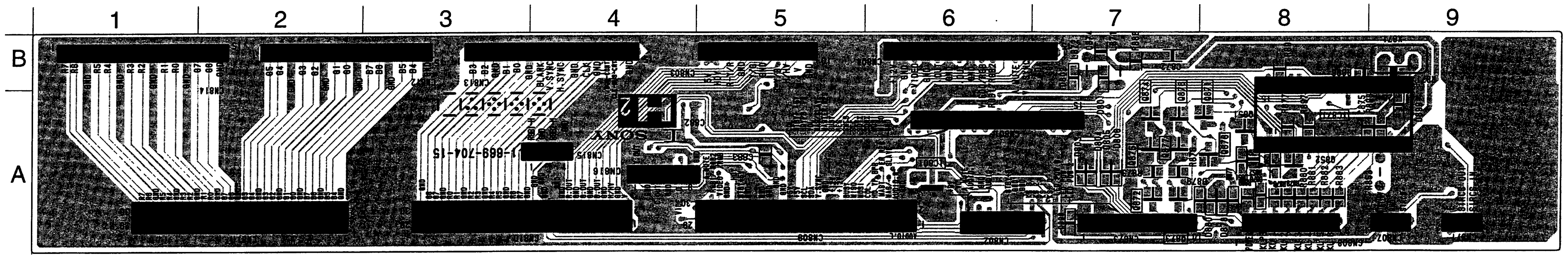
PFM-510A1WU/PFM-510A1WE

A | B | C | D | E | F | G | H

SONY-SP1132 / DRUCK 18



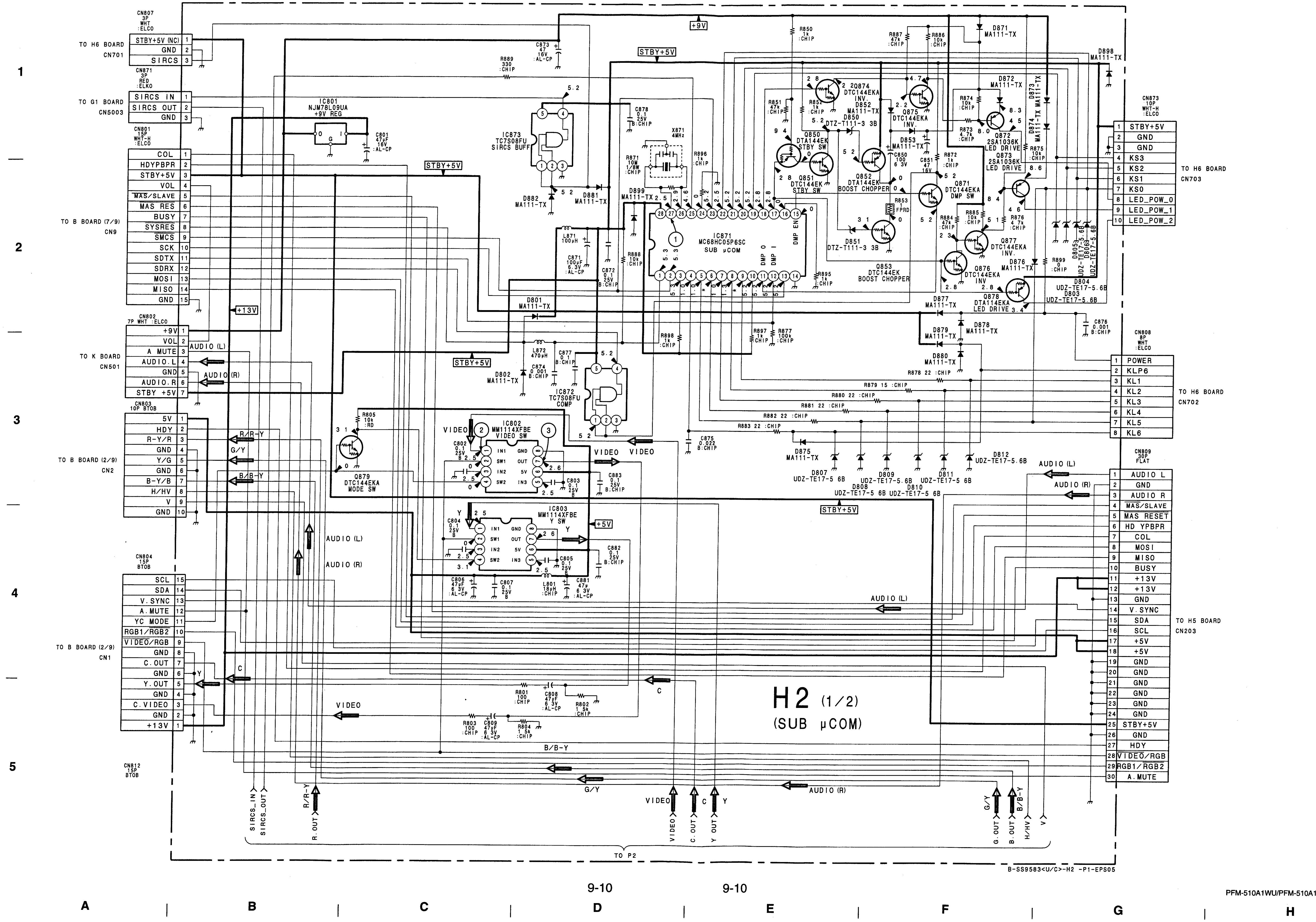
H2 - A SIDE -
SUFFIX: -15



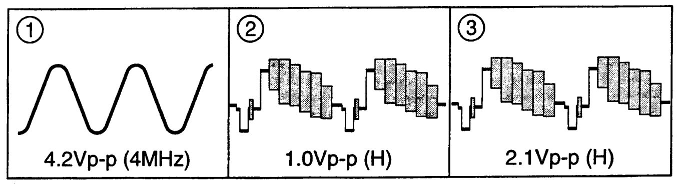
H2 - B SIDE -
SUFFIX: -15

H2 BOARD
*: B SIDE

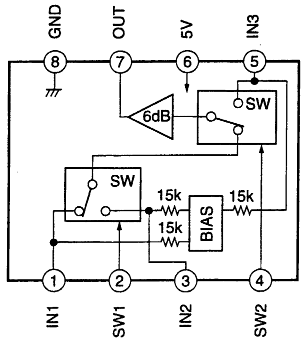
D801	*B-7	D872	A-7	IC871	*A-8
D802	*B-7	D873	A-7	IC872	A-7
D803	*A-7	D874	A-7	IC873	A-9
D804	*A-7	D875	A-8		
D805	*A-7	D876	*A-8	Q850	A-8
D806	*A-7	D877	*A-8	Q851	*A-8
D807	A-8	D878	*A-8	Q852	*A-8
D808	A-8	D879	*A-8	Q853	A-8
D809	A-8	D880	*A-8	Q871	*A-8
D810	A-8	D881	A-9	Q872	*A-7
D811	A-8	D882	A-9	Q873	*A-7
D812	A-8	D898	*A-7	Q874	*A-7
D850	*A-8	D899	*A-9	Q875	*A-7
D851	*A-8			Q876	*A-7
D852	A-8	IC801	*A-6	Q877	*A-7
D853	A-8	IC802	A-4	Q878	*A-8
D871	A-7	IC803	A-5	Q879	A-4

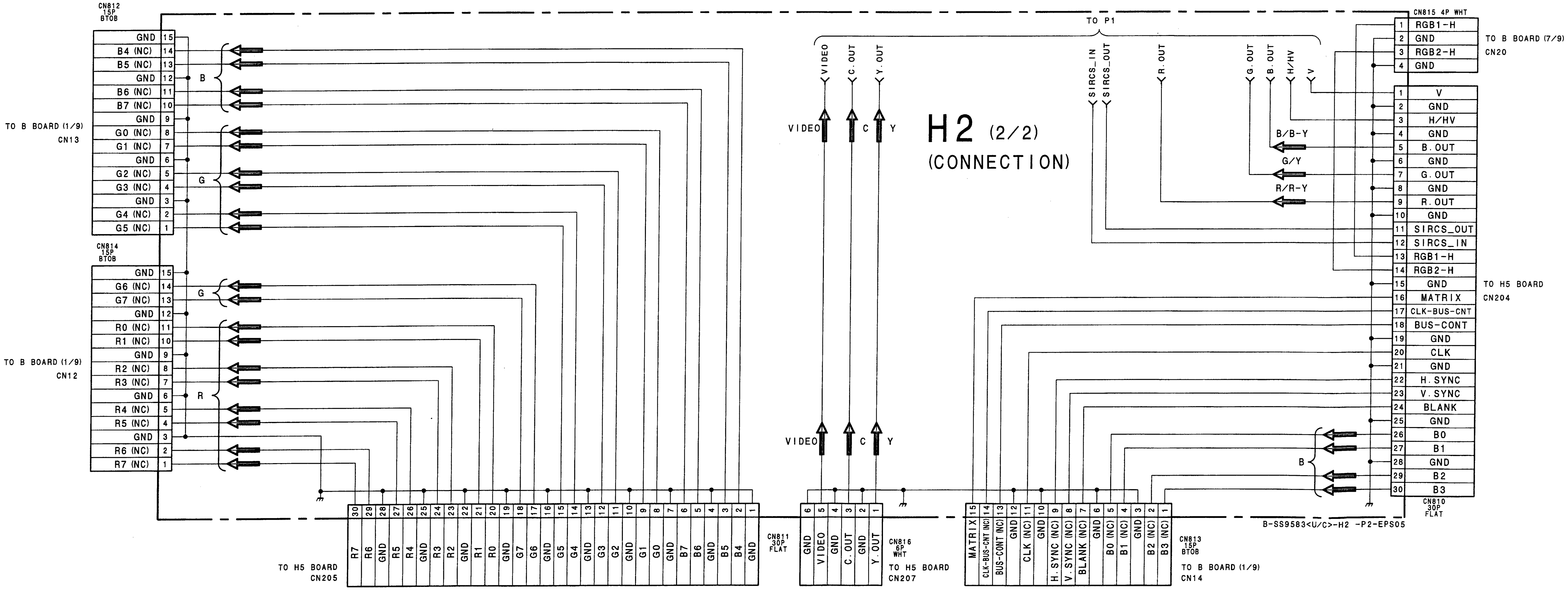

H2 (1/2)
(SUB µCOM)
TO H6 BOARD CN701
CN807 3P WHT :ELCO
STBY+5V (NC)
GND
SIRCS
TO G1 BOARD CN5003
CN871 3P RED :ELKO
SIRCS IN
SIRCS OUT
GND
TO B BOARD (7/9) CN9
CN801 15P WHT-H :ELCO
COL
HDYPBPR
STBY+5V
VOL
MAS/SLAVE
MAS RES
BUSY
SYSRES
SMCS
SCK
SDTX
SDRX
MOSI
MISO
GND
TO K BOARD CN501
CN802 7P WHT :ELCO
+9V
VOL
A MUTE
AUDIO.L
GND
AUDIO.R
STBY +5V
AUDIO (L)
AUDIO (R)
TO B BOARD (2/9) CN2
CN803 10P BTOB
5V
HDY
R-Y/R
GND
Y/G
GND
B-Y/B
H/HV
V
GND
R/R-Y
G/Y
B/B-Y
TO B BOARD (2/9) CN1
CN804 15P BTOB
SCL
SDA
V.SYNC
A.MUTE
YC MODE
RGB1/RGB2
VIDEO/RGB
GND
C.OUT
GND
Y.OUT
GND
C.VIDEO
GND
+13V
CN812 15P BTOB
+9V
STBY+5V
+13V
+5V
IC801 NJM78L09UA +9V REG
C801 47µF 16V :AL-CP
C873 47 16V :AL-CP
R889 330 :CHIP
IC873 TC7S08FU SIRCS BUFF
C878 0.1 25V B:CHIP
X871 4MHz
R871 10M 1/8W :CHIP
R896 1k :CHIP
D882 MA111-TX
D881 MA111-TX
D899 MA111-TX
IC871 MC68HC05P6SC SUB µCOM
DMP EN
DMP 0
DMP 1
L871 100µH
C871 100µF 6.3V :AL-CP
C872 0.1 25V B:CHIP
R888 10k :CHIP
R895 1k :CHIP
D801 MA111-TX
D802 MA111-TX
L872 470µH
C874 0.001 B:CHIP
C877 0.1 B:CHIP
IC872 TC7S08FU COMP
R898 1k :CHIP
R897 1k :CHIP
R877 100k :CHIP
R850 1k :CHIP
R887 47k :CHIP
R886 10k :CHIP
D871 MA111-TX
D898 MA111-TX
Q874 DTC144EKA INV.
R851 47k :CHIP
R852 1k :CHIP
D852 MA111-TX
D850 DTZ-T111-3 3B
Q850 DTA144EK STBY SW
Q851 DTC144EK STBY SW
Q852 DTA144EK BOOST CHOPPER
Q875 DTC144EKA INV.
D853 MA111-TX
C850 100 6.3V
C851 47 16V
R853 1 FPRD
D851 DTZ-T111-3 3B
Q853 DTC144EK BOOST CHOPPER
R872 1k :CHIP
Q871 DTC144EKA DMP SW
R884 47k :CHIP
R885 10k :CHIP
R876 4.7k :CHIP
Q877 DTC144EKA INV.
Q876 DTC144EKA INV
D872 MA111-TX
R874 10k :CHIP
R873 4.7k :CHIP
Q872 2SA1036K LED DRIVE
Q873 2SA1036K LED DRIVE
R875 10k :CHIP
D873 MA111-TX
D874 MA111-TX
D876 MA111-TX
R899 0 :CHIP
Q878 DTA114EKA LED DRIVE
D805 UDZ-TE17-5.6B
D806 UDZ-TE17-5.6B
D804 UDZ-TE17-5.6B
D803 UDZ-TE17-5.6B
D877 MA111-TX
D879 MA111-TX
D878 MA111-TX
D880 MA111-TX
C876 0.001 B:CHIP
TO H6 BOARD CN703
CN873 10P WHT-H :ELCO
STBY+5V
GND
GND
KS3
KS2
KS1
KS0
LED_POW_0
LED_POW_1
LED_POW_2
TO H6 BOARD CN702
CN808 8P WHT :ELCO
POWER
KLP6
KL1
KL2
KL3
KL4
KL5
KL6
R878 22 :CHIP
R879 15 :CHIP
R880 22 :CHIP
R881 22 :CHIP
R882 22 :CHIP
R883 22 :CHIP
C875 0.022 B:CHIP
D875 MA111-TX
D807 UDZ-TE17-5.6B
D808 UDZ-TE17-5.6B
D809 UDZ-TE17-5.6B
D810 UDZ-TE17-5.6B
D811 UDZ-TE17-5.6B
D812 UDZ-TE17-5.6B
R805 10k :RD
Q879 DTC144EKA MODE SW
IC802 MM1114XFBE VIDEO SW
IN1 GND SW1 OUT IN2 5V SW2 IN3
C802 0.1 25V B
C803 0.1 25V B
C883 0.1 25V B:CHIP
VIDEO
IC803 MM1114XFBE Y SW
Y
C804 0.1 25V B
C805 0.1 25V B
C882 0.1 25V B:CHIP
C806 47µF 6.3V :AL-CP
C807 0.1 25V B
L801 18µH :CHIP
C881 47µ 6.3V :AL-CP
R801 100 :CHIP
C808 47µF 6.3V :AL-CP
R802 1.5k :CHIP
R803 100 :CHIP
C809 47µF 6.3V :AL-CP
R804 1.5k :CHIP
TO H5 BOARD CN203
CN809 30P FLAT
AUDIO L
GND
AUDIO R
MAS/SLAVE
MAS RESET
HD YPBPR
COL
MOSI
MISO
BUSY
+13V
+13V
GND
V.SYNC
SDA
SCL
+5V
+5V
GND
GND
GND
GND
GND
GND
STBY+5V
GND
HDY
VIDEO/RGB
RGB1/RGB2
A.MUTE
C
B/B-Y
G/Y
AUDIO (R)
SIRCS_IN
SIRCS_OUT
R.OUT
VIDEO
C.OUT
Y OUT
G.OUT
B.OUT
H/HV
V
TO P2
B-SS9583<U/C>-H2 -P1-EPS05
1
2
3
4
5
A
B
C
D
E
F
G
H

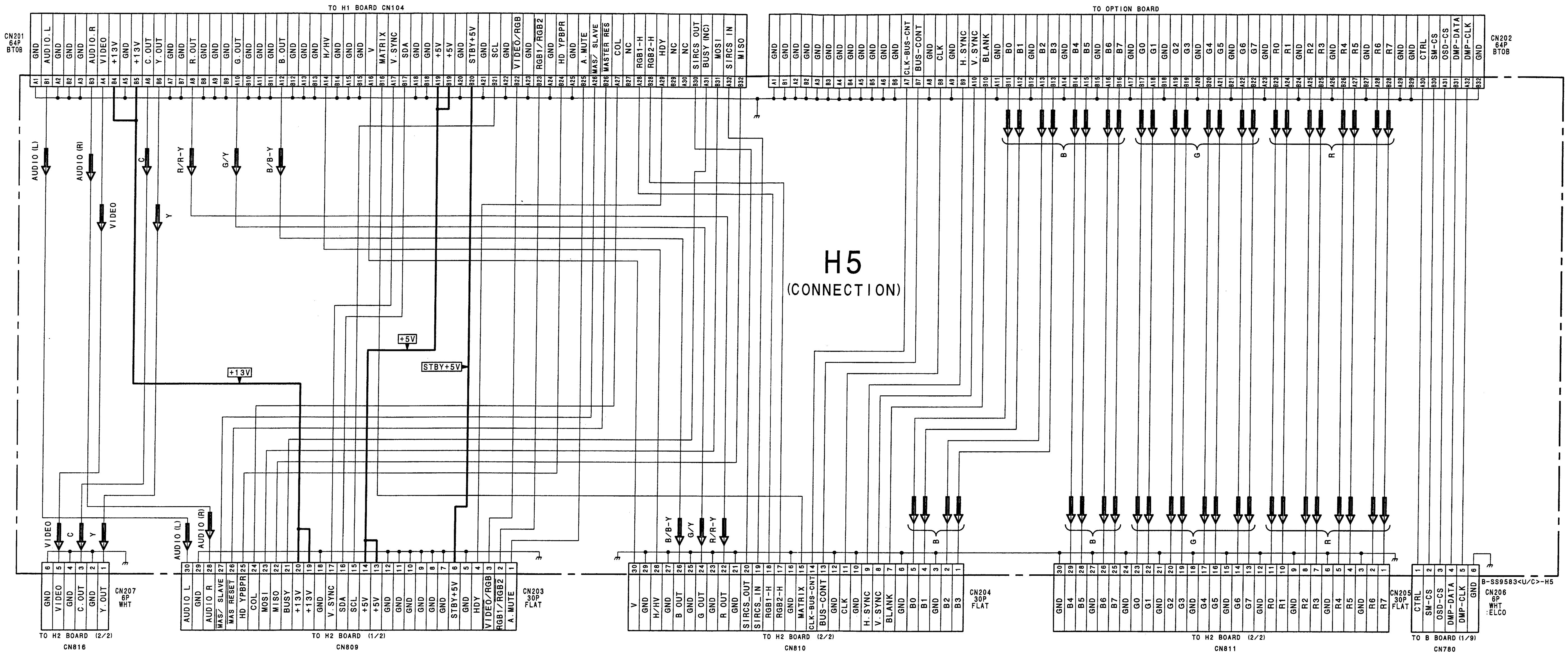
• H2 BOARD WAVEFORMS

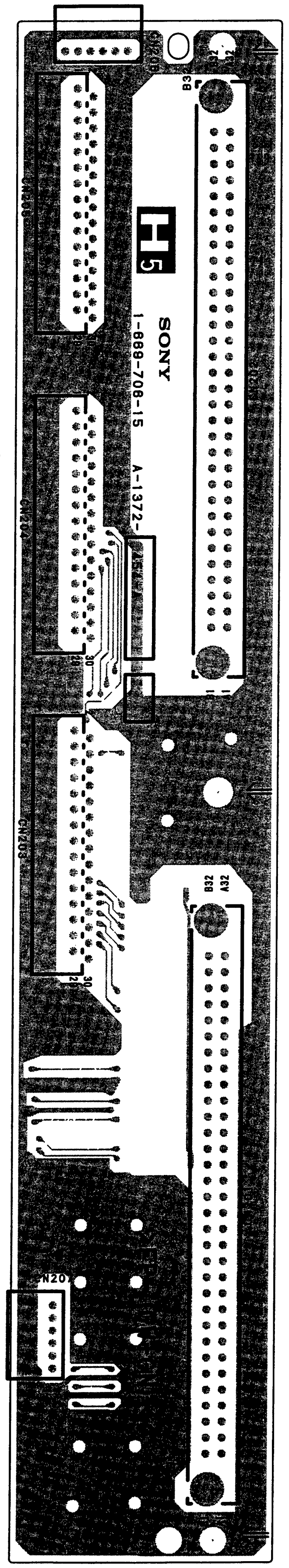


H2 BOARD IC802, 803 MM1114XFBE

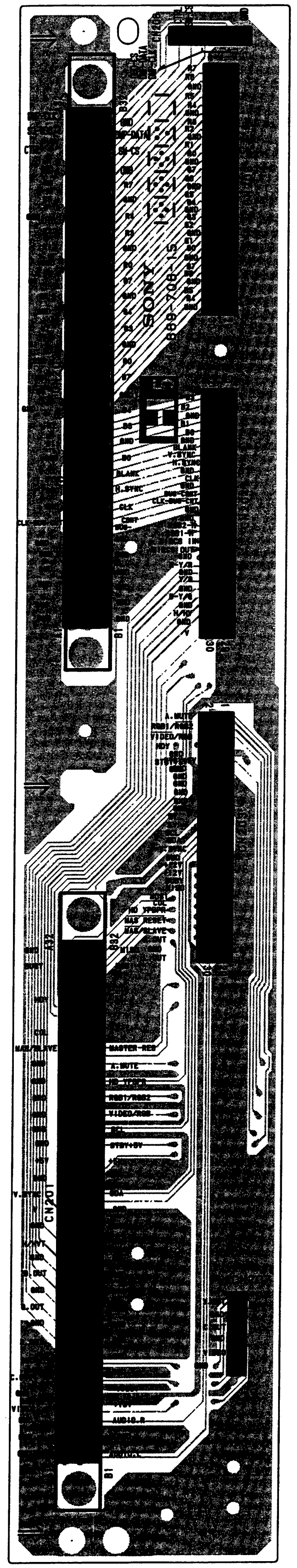

GND
OUT
5V
IN3
8
7
6
5
6dB
SW
SW
15k
15k
15k
BIAS
1
2
3
4
IN1
SW1
IN2
SW2


H2 (2/2)
(CONNECTION)
CN812 15P BTOB
TO B BOARD (1/9) CN13
GND 15
B4 (NC) 14
B5 (NC) 13
GND 12
B6 (NC) 11
B7 (NC) 10
GND 9
G0 (NC) 8
G1 (NC) 7
GND 6
G2 (NC) 5
G3 (NC) 4
GND 3
G4 (NC) 2
G5 (NC) 1
B
G
CN814 15P BTOB
TO B BOARD (1/9) CN12
GND 15
G6 (NC) 14
G7 (NC) 13
GND 12
R0 (NC) 11
R1 (NC) 10
GND 9
R2 (NC) 8
R3 (NC) 7
GND 6
R4 (NC) 5
R5 (NC) 4
GND 3
R6 (NC) 2
R7 (NC) 1
R
TO H5 BOARD CN205
CN811 30P FLAT
30 R7
29 R6
28 GND
27 R5
26 R4
25 GND
24 R3
23 R2
22 GND
21 R1
20 R0
19 GND
18 G7
17 G6
16 GND
15 G5
14 G4
13 GND
12 G3
11 G2
10 GND
9 G1
8 G0
7 GND
6 B7
5 B6
4 GND
3 B5
2 B4
1 GND
TO P1
VIDEO
C. OUT
Y. OUT
VIDEO
C
Y
CN816 6P WHT
TO H5 BOARD CN207
6 GND
5 VIDEO
4 GND
3 C. OUT
2 GND
1 Y. OUT
SIRCS_IN
SIRCS_OUT
R. OUT
G. OUT
B. OUT
H/HV
V
B/B-Y
G/Y
R/R-Y
CN815 4P WHT
TO B BOARD (7/9) CN20
1 RGB1-H
2 GND
3 RGB2-H
4 GND
TO H5 BOARD CN204
1 V
2 GND
3 H/HV
4 GND
5 B. OUT
6 GND
7 G. OUT
8 GND
9 R. OUT
10 GND
11 SIRCS_OUT
12 SIRCS_IN
13 RGB1-H
14 RGB2-H
15 GND
16 MATRIX
17 CLK-BUS-CNT
18 BUS-CONT
19 GND
20 CLK
21 GND
22 H. SYNC
23 V. SYNC
24 BLANK
25 GND
26 B0
27 B1
28 GND
29 B2
30 B3
CN810 30P FLAT
CN813 15P BTOB
TO B BOARD (1/9) CN14
15 MATRIX
14 CLK-BUS-CNT (NC)
13 BUS-CONT (NC)
12 GND
11 CLK (NC)
10 GND
9 H. SYNC (NC)
8 V. SYNC (NC)
7 BLANK (NC)
6 GND
5 B0 (NC)
4 B1 (NC)
3 GND
2 B2 (NC)
1 B3 (NC)
B-SS9583<U/C>-H2 -P2-EPS05
1
2
3
4
5
A
B
C
D
E
F
G
H

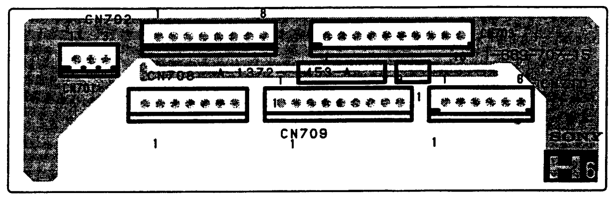

TO H1 BOARD CN104
CN201 64P BTOB
GND AUDIO.L GND GND GND AUDIO.R VIDEO +13V GND +13V C.OUT Y.OUT GND GND R.OUT GND GND GND G.OUT GND GND GND B.OUT GND GND GND H/HV GND GND GND V MATRIX V.SYNC SDA GND GND +5V +5V GND STBY+5V GND SCL GND VIDEO/RGB GND RGB1/RGB2 GND HD YPBPR GND A.MUTE MAS/ SLAVE MASTER RES COL NC RGB1-H RGB2-H HDY NC NC SIRCS OUT BUSY (NC) MOSI SIRCS IN MISO
TO OPTION BOARD
CN202 64P BTOB
GND GND GND GND GND GND GND GND GND GND GND CLK-BUS-CNT BUS-CONT GND CLK GND H.SYNC V.SYNC BLANK GND B0 B1 GND B2 B3 GND B4 B5 GND B6 B7 GND G0 G1 GND G2 G3 GND G4 G5 GND G6 G7 GND R0 R1 GND R2 R3 GND R4 R5 GND R6 R7 GND GND CTRL SM-CS OSD-CS DMP-DATA DMP-CLK GND
AUDIO (L)
AUDIO (R)
VIDEO
C
Y
R/R-Y
G/Y
B/B-Y
B
G
R
H5
(CONNECTION)
+5V
STBY+5V
+13V
CN207 6P WHT
GND VIDEO GND C.OUT GND Y.OUT
TO H2 BOARD (2/2)
CN816
CN203 30P FLAT
AUDIO L GND AUDIO R MAS/ SLAVE MAS RESET HD YPBPR COL MOSI MISO BUSY +13V +13V GND V.SYNC SDA SCL +5V +5V GND GND GND GND GND STBY+5V GND HDY VIDEO/RGB RGB1/RGB2 A.MUTE
TO H2 BOARD (1/2)
CN809
CN204 30P FLAT
V GND H/HV GND B OUT GND G OUT GND R OUT GND SIRCS_OUT SIRCS_IN RGB1-H RGB2-H GND MATRIX CLK-BUS-CNT BUS-CONT GND CLK GND H.SYNC V.SYNC BLANK GND B0 B1 GND B2 B3
TO H2 BOARD (2/2)
CN810
CN205 30P FLAT
GND B4 B5 GND B6 B7 GND G0 G1 GND G2 G3 GND G4 G5 GND G6 G7 GND R0 R1 GND R2 R3 GND R4 R5 GND R6 R7
TO H2 BOARD (2/2)
CN811
CN206 6P WHT :ELCO
CTRL SM-CS OSD-CS DMP-DATA DMP-CLK GND
TO B BOARD (1/9)
CN780
B-SS9583<U/C>-H5


H5
SONY
1-889-708-15
A-1372-
CN201
CN202
CN203
B32
A32
B1

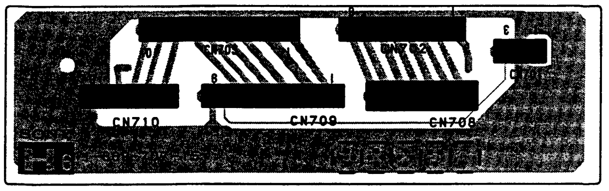
H5 - A SIDE -
SUFFIX: -15


SONY
889-708-15
CN201
A1
B1
A32
B32

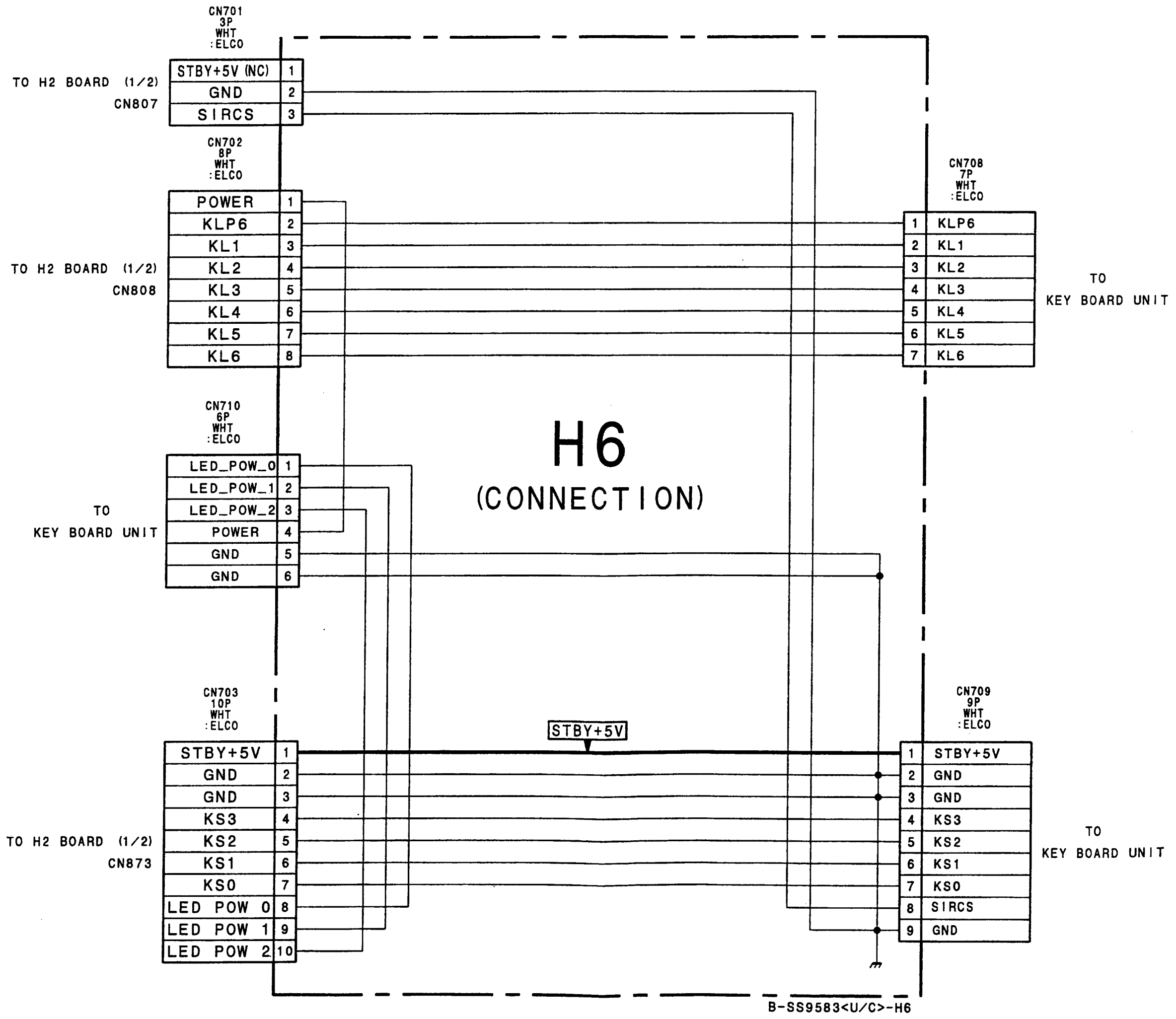
H5 - B SIDE -
SUFFIX: -15

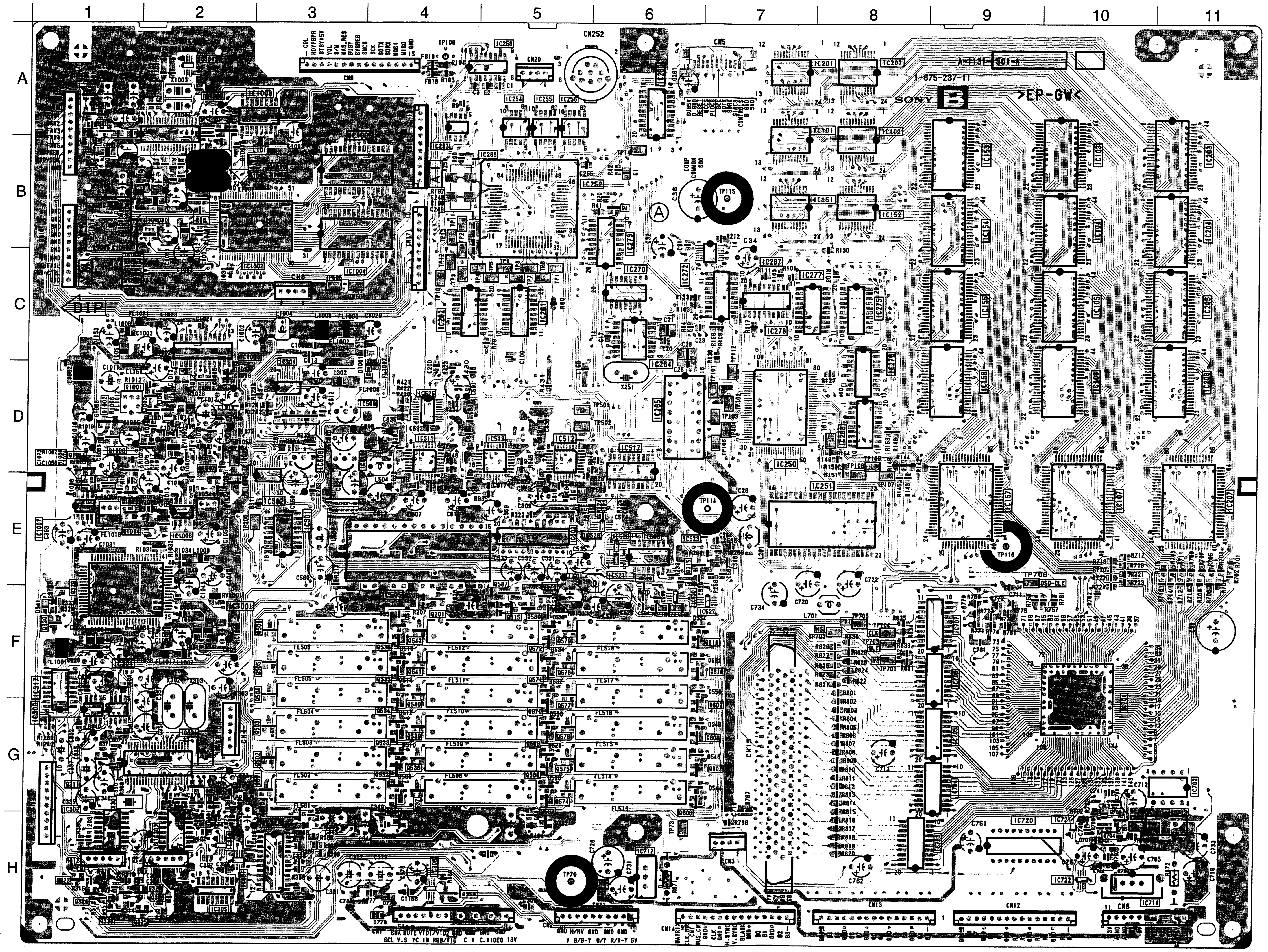

CN702
CN703
CN709
CN708
1-1372
8
1
H6

H6 - A SIDE -
SUFFIX: -15


CN710
CN709
CN708
H6

H6 - B SIDE -
SUFFIX: -15


CN701
3P
WHT
:ELCO
TO H2 BOARD (1/2)
CN807
1 STBY+5V (NC)
2 GND
3 SIRCS
CN702
8P
WHT
:ELCO
TO H2 BOARD (1/2)
CN808
1 POWER
2 KLP6
3 KL1
4 KL2
5 KL3
6 KL4
7 KL5
8 KL6
CN710
6P
WHT
:ELCO
TO
KEY BOARD UNIT
1 LED_POW_0
2 LED_POW_1
3 LED_POW_2
4 POWER
5 GND
6 GND
CN703
10P
WHT
:ELCO
TO H2 BOARD (1/2)
CN873
1 STBY+5V
2 GND
3 GND
4 KS3
5 KS2
6 KS1
7 KS0
8 LED POW 0
9 LED POW 1
10 LED POW 2
H6
(CONNECTION)
STBY+5V
CN708
7P
WHT
:ELCO
TO
KEY BOARD UNIT
1 KLP6
2 KL1
3 KL2
4 KL3
5 KL4
6 KL5
7 KL6
CN709
9P
WHT
:ELCO
TO
KEY BOARD UNIT
1 STBY+5V
2 GND
3 GND
4 KS3
5 KS2
6 KS1
7 KS0
8 SIRCS
9 GND
B-SS9583<U/C>-H6



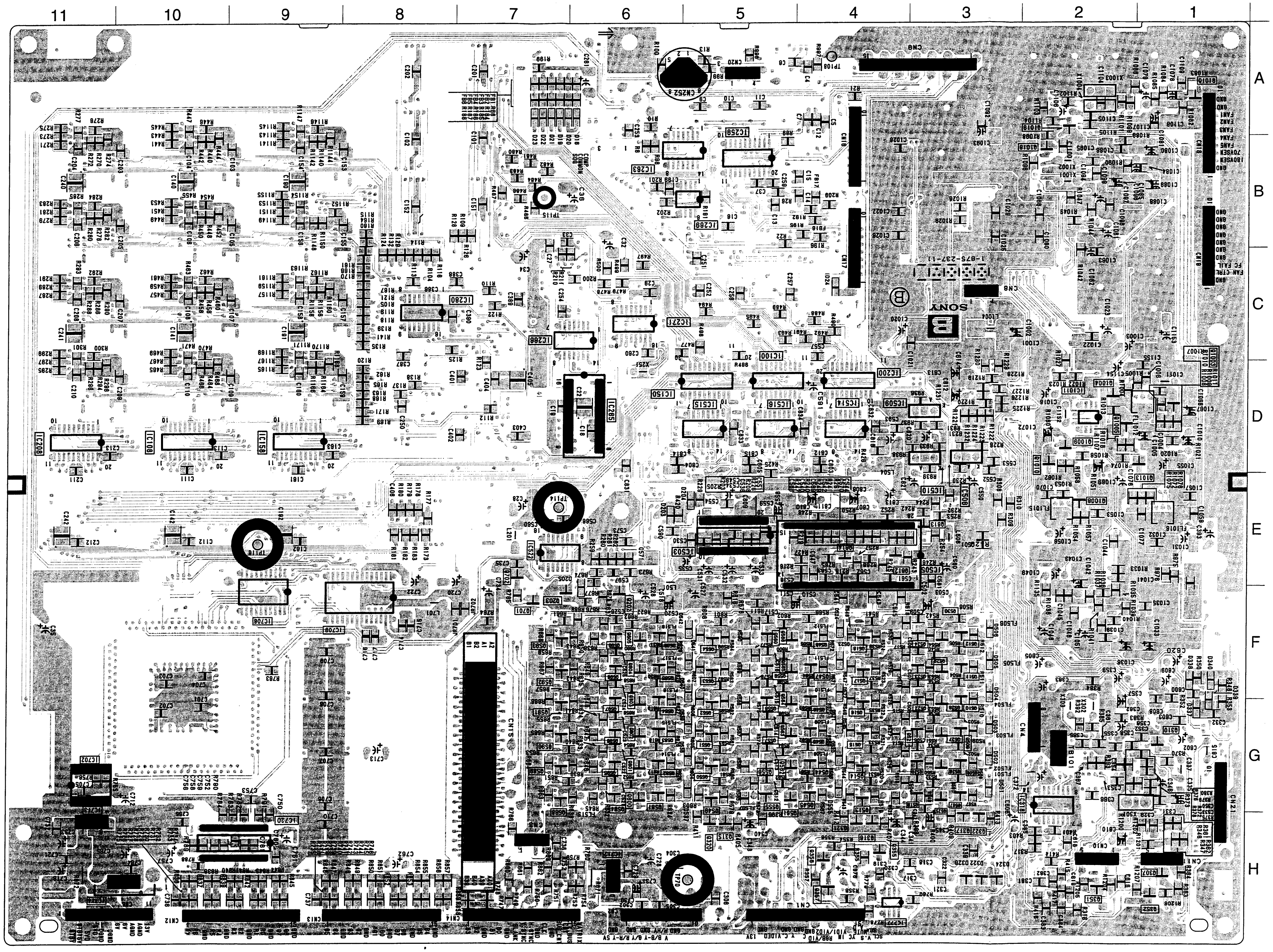
B - A SIDE -

SUFFIX: -11

B BOARD
*: B SIDE

D1	B-6	IC259	*B-5
D16	*A-6	IC260	A-6
D19	*A-7	IC261	C-5
D20	*A-7	IC262	C-4
D21	*A-7	IC263	*B-6
D22	*A-7	IC264	C-6
D23	*A-7	IC265	D-6
D24	*C-4	IC266	*C-6
D203	*E-6	IC267	C-7
D204	*E-5	IC268	D-8
D205	*F-6	IC269	*B-5
D322	*H-3	IC270	C-6
D324	*H-3	IC271	*C-6
D326	*H-3	IC273	B-6
D331	G-2	IC275	C-8
D332	H-5	IC276	D-8
D334	H-4	IC277	C-7
D336	H-3	IC278	C-7
D341	F-1	IC280	*C-8
D501	*G-3	IC288	B-4
D502	*G-3	IC300	G-1
D503	*G-3	IC301	G-1
D504	*F-3	IC302	G-1
D505	*F-3	IC303	H-2
D506	*F-3	IC304	D-3
D508	G-4	IC305	H-2
D510	G-4	IC306	H-4
D512	G-4	IC317	G-1
D514	F-4	IC318	*G-2
D516	F-4	IC319	H-3
D518	F-4	IC321	G-2
D520	*G-4	IC330	H-2
D521	*G-4	IC331	H-2
D522	*F-4	IC501	E-3
D523	*F-4	IC502	E-3
D524	*F-4	IC503	*E-5
D526	G-5	IC505	*E-4
D528	G-5	IC508	*D-3
D530	G-5	IC509	*D-3
D532	F-5	IC510	*D-3
D534	F-5	IC511	D-4
D536	F-5	IC512	D-5
D537	*G-5	IC513	D-5
D538	*G-5	IC521	F-6
D539	*G-5	IC522	*E-7
D540	*F-5	IC523	E-7
D541	*F-5	IC525	D-4
D542	*F-5	IC526	E-6
D544	G-7	IC527	F-7
D546	G-7	IC528	E-6
D548	G-7	IC529	E-6
D550	F-7	IC530	F-6
D552	F-7	IC701	F-10
D554	F-7	IC702	*G-11
D555	*G-4	IC703	H-9
D701	F-10	IC704	G-9
D777	H-4	IC705	G-9
D778	H-4	IC706	*F-9
D1001	D-4	IC707	F-9
D1002	D-2	IC709	*F-8
		IC712	*H-6
IC101	A-7	IC713	*H-11
IC102	A-8	IC714	*H-11
IC103	B-10	IC720	*H-9
IC104	B-10	IC721	H-10
IC105	C-10	IC722	H-10
IC106	D-10	IC777	*H-4
IC107	E-10	IC1001	F-1
IC108	*D-10	IC1002	B-3
IC150	*D-5	IC1003	C-2
IC151	B-7	IC1004	B-3
IC152	B-8	IC1005	B-3
IC153	B-9	IC1006	E-2
IC154	B-9	IC1007	E-1
IC155	C-9	IC1008	A-3
IC156	D-9	IC1009	A-2
IC157	E-9	IC1010	B-2
IC158	*D-9	IC1011	*D-2
IC200	*D-4	IC1012	A-2
IC201	A-7		
IC202	A-8	Q1	B-6
IC203	B-11	Q201	F-4
IC204	B-11	Q202	*F-6
IC205	C-11	Q203	*F-7
IC206	D-11	Q215	E-7
IC207	E-11	Q307	*H-1
IC208	*D-11	Q310	*G-1
IC250	D-7	Q311	G-1
IC251	E-8	Q315	*H-5
IC252	B-5	Q316	*H-4
IC253	A-4	Q317	*H-3
IC254	A-5	Q320	*H-5
IC255	A-5	Q321	*H-4
IC256	A-5	Q322	*H-3
IC258	A-5	Q323	H-1

Q324	H-1
Q325	H-2
Q326	H-2
Q327	H-1
Q328	H-1
Q329	F-1
Q330	F-1
Q351	*H-2
Q352	*H-1
Q354	G-2
Q355	*H-4
Q356	*H-4
Q357	*H-4
Q358	H-4
Q501	G-1
Q502	G-1
Q503	G-1
Q504	F-1
Q505	F-1
Q506	F-1
Q507	*G-3
Q508	*G-3
Q509	*G-3
Q510	*G-3
Q511	*F-3
Q512	*F-3
Q513	*G-4
Q514	*G-4
Q515	*G-4
Q516	*G-4
Q517	*F-4
Q518	*F-4
Q519	*G-3
Q520	*G-3
Q521	*G-3
Q522	*G-3
Q523	*F-3
Q524	*F-3
Q525	*G-3
Q526	*G-3
Q527	*G-3
Q528	*G-3
Q529	*F-3
Q530	*F-3
Q531	G-4
Q532	G-4
Q533	G-4
Q534	G-4
Q535	F-4
Q536	F-4
Q537	G-4
Q538	G-4
Q539	G-4
Q540	F-4
Q541	F-4
Q542	F-4
Q543	*G-4
Q544	*G-4
Q545	*G-4
Q546	*F-4
Q547	*F-4
Q548	*F-4
Q549	*G-5
Q550	*G-5
Q551	*G-5
Q552	*G-5
Q553	*F-5
Q554	*F-5
Q555	*G-5
Q556	*G-5
Q557	*G-5
Q558	*G-5
Q559	*F-5
Q560	*F-5
Q561	*G-5
Q562	*G-5
Q563	*G-5
Q564	*G-5
Q565	*F-5
Q566	*F-5
Q567	G-5
Q568	G-5
Q569	G-5
Q570	G-5
Q571	F-5
Q572	F-5
Q573	F-5
Q574	G-5
Q575	G-5
Q576	G-5
Q577	F-5
Q578	F-5
Q579	F-5
Q580	F-5
Q581	*G-6
Q582	*G-6
Q583	*G-6
Q584	*F-6
Q585	*F-6
Q586	*F-6
Q587	F-5
Q588	*G-7
Q589	*G-7
Q590	*G-7
Q591	*G-7
Q592	*F-7
Q593	*F-7
Q594	*G-6
Q595	*G-6
Q596	*G-6
Q597	*F-6
Q598	*F-6
Q599	*F-6
Q600	*G-6
Q601	*G-6
Q602	*G-6
Q603	*G-6
Q604	*F-6
Q605	*F-6
Q606	G-7
Q607	G-7
Q608	G-7
Q609	G-7
Q610	F-7
Q611	F-7
Q612	*E-4
Q613	*E-3
Q614	*E-4
Q615	*F-5
Q701	*F-7
Q702	*E-7
Q703	H-10
Q704	H-10
Q1001	D-2
Q1002	D-1
Q1003	*D-1
Q1004	*D-2
Q1005	*D-2
Q1006	D-1
Q1007	E-2
Q1008	*E-2
Q1009	*D-2
Q1010	*D-2
Q1011	D-1
Q1012	E-1
Q1013	*D-1
Q1014	E-1
Q1015	A-1
Q1016	*A-1
Q1017	A-1
Q1018	*B-2
Q1019	*A-2
Q1020	A-2
TP7	C-5
TP8	C-5
TP10	C-4
TP11	B-4
TP12	C-4
TP13	B-4
TP14	B-6
TP70	H-5
TP71	*H-6
TP72	H-10
TP73	*H-6
TP101	D-7
TP102	D-7
TP103	D-7
TP104	D-7
TP105	D-7
TP106	D-8
TP107	D-8
TP108	*A-4
TP109	D-8
TP111	D-8
TP112	D-7
TP114	*E-7
TP115	*B-7
TP116	*E-9
TP501	D-5
TP502	D-5
TP503	E-5
TP505	C-3
TP506	C-3
TP701	F-8
TP702	F-8
TP703	F-8
TP704	F-8
TP705	F-8
TP706	E-10



B - B SIDE -

SUFFIX: -11

B (1/9)

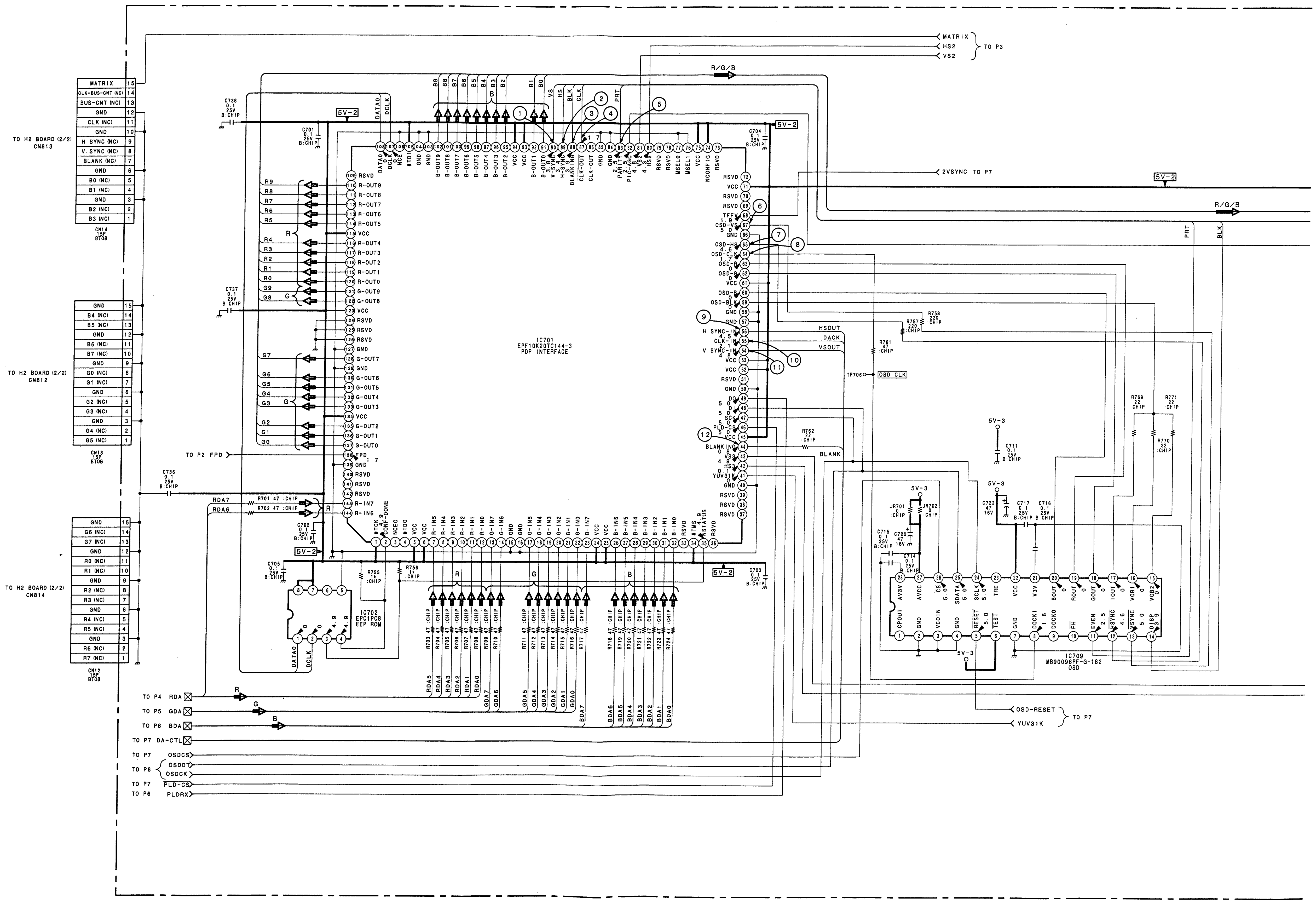
1

2

3

4

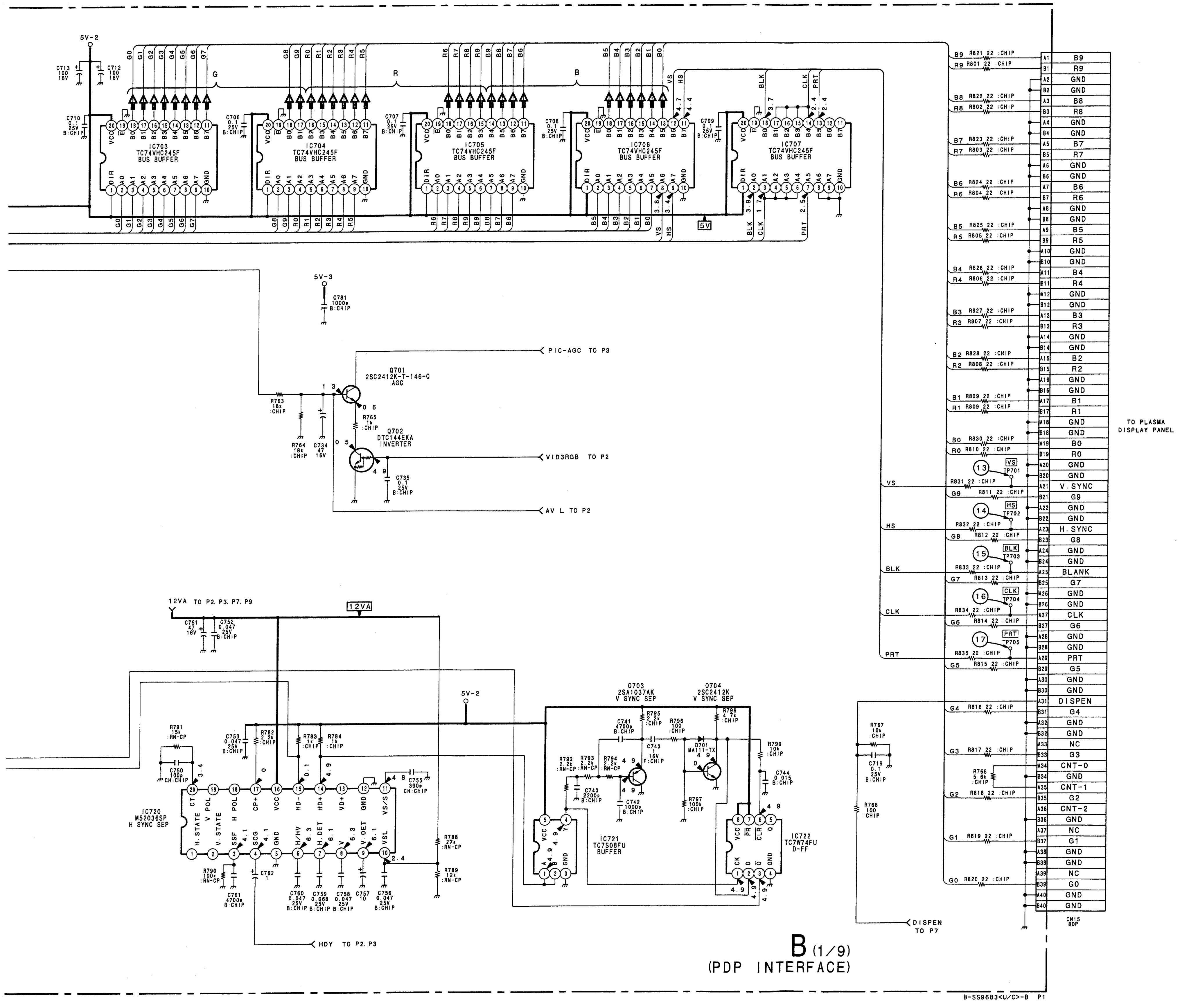
5


TO H2 BOARD (2/2) CN813
CN14 15P BTOB
MATRIX
CLK-BUS-CNT (NC)
BUS-CNT (NC)
GND
CLK (NC)
H. SYNC (NC)
V. SYNC (NC)
BLANK (NC)
B0 (NC)
B1 (NC)
B2 (NC)
B3 (NC)
TO H2 BOARD (2/2) CN812
CN13 15P BTOB
TO H2 BOARD (2/2) CN814
CN12 15P BTOB
MATRIX
HS2
VS2
TO P3
R/G/B
2VSYNC TO P7
5V-2
5V-3
IC701
EPF10K20TC144-3
PDP INTERFACE
IC702
EPC1PC8
EEP ROM
IC709
MB90096PF-G-182
OSD
TO P2 FPD
TO P4 RDA
TO P5 GDA
TO P6 BDA
TO P7 DA-CTL
TO P7 OSDCS
TO P6 OSDDT
OSDCK
TO P7 PLD-CS
TO P6 PLDRX
OSD-RESET
YUV31K
TO P7
HSOUT
DACK
VSOUT
BLANK
TP706
OSD CLK
PRT
BLK
C738
C737
C736
C701
C702
C703
C704
C705
R701 47 :CHIP
R702 47 :CHIP
R755 1k :CHIP
R756 1k :CHIP
R757 220 :CHIP
R758 220 :CHIP
R761 47 :CHIP
R762 22 :CHIP
R769 22 :CHIP
R770 22 :CHIP
R771 22 :CHIP
JR701
JR702
C711
C714
C715
C716
C717
C720
C722

9-16

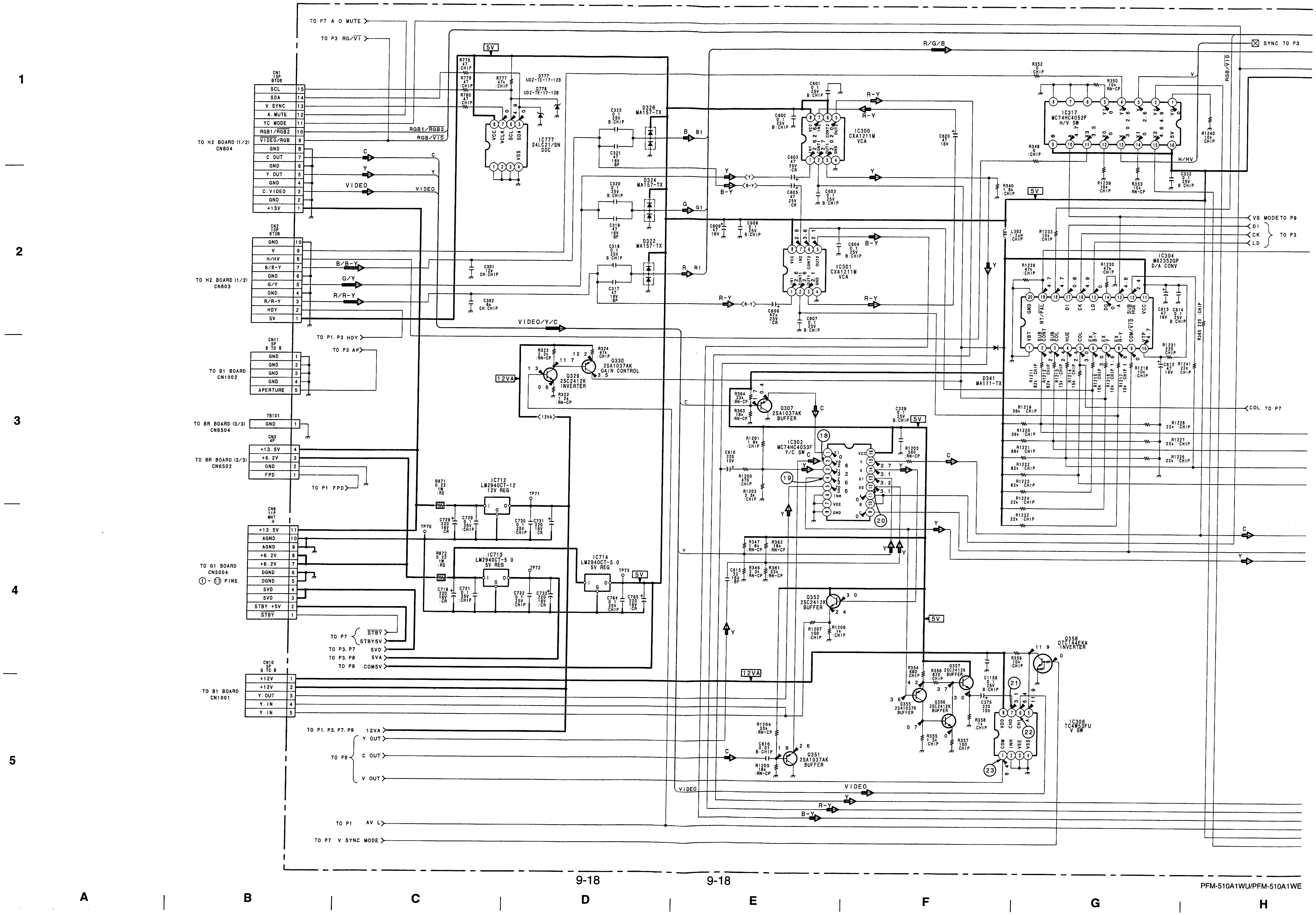
A | B | C | D | E | F | G | H

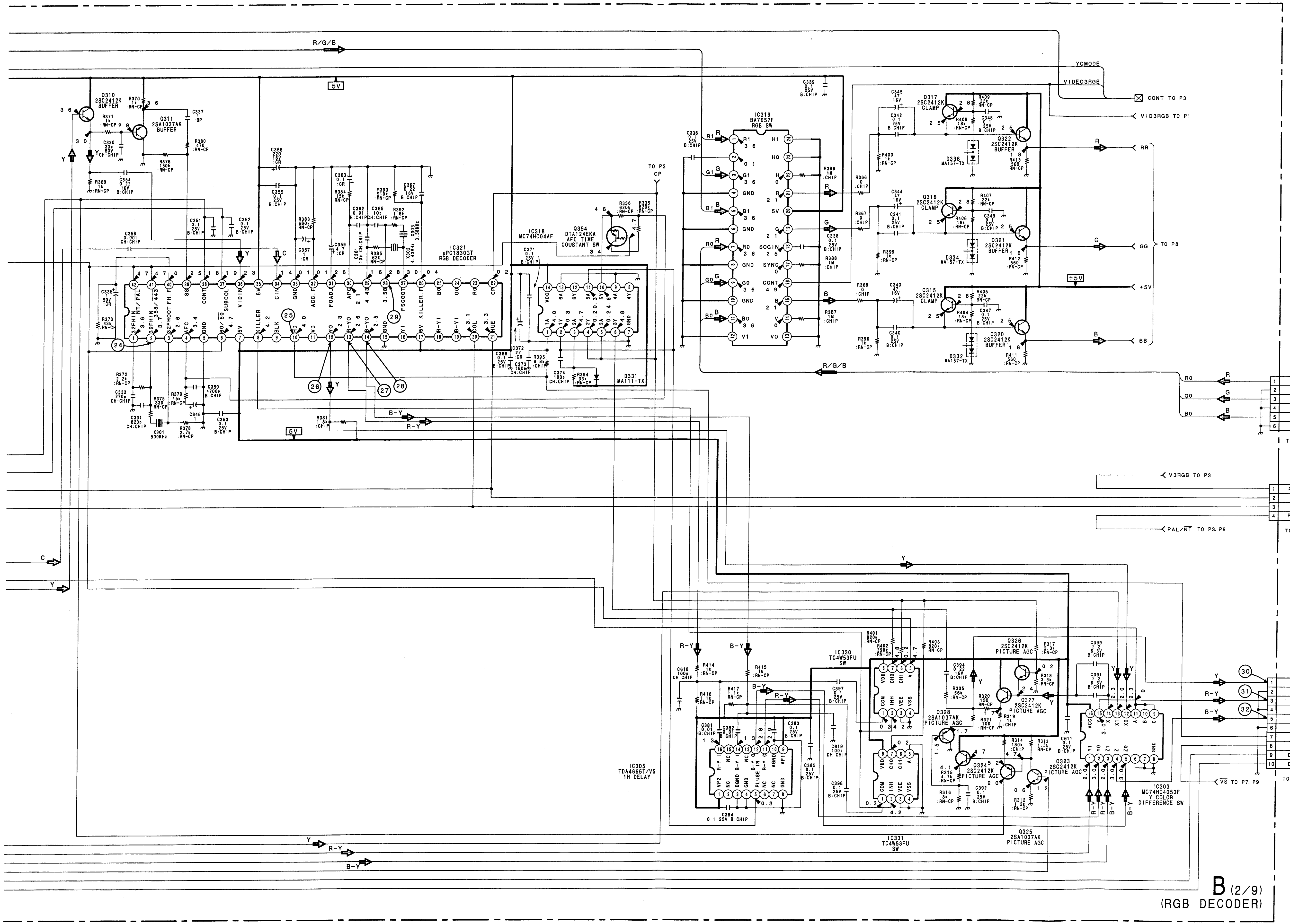
B (1/9)


5V-2
IC703
TC74VHC245F
BUS BUFFER
IC704
TC74VHC245F
BUS BUFFER
IC705
TC74VHC245F
BUS BUFFER
IC706
TC74VHC245F
BUS BUFFER
IC707
TC74VHC245F
BUS BUFFER
G
R
B
VS
HS
BLK
CLK
PRT
5V
5V-3
C781 1000p B:CHIP
Q701
2SC2412K-T-146-Q
AGC
PIC-AGC TO P3
Q702
DTC144EKA
INVERTER
VID3RGB TO P2
AV L TO P2
R763 18k :CHIP
R764 18k :CHIP
C734 47 16V
R765 1k :CHIP
C735 0.1 25V B:CHIP
12VA TO P2, P3, P7, P9
12VA
C751 47 16V
C752 0.047 25V B:CHIP
5V-2
IC720
M52036SP
H SYNC SEP
R791 15k :RN-CP
C750 100p CH:CHIP
C753 0.047 25V B:CHIP
R782 2.2k :CHIP
R783 1k :CHIP
R784 1k :CHIP
C755 390p CH:CHIP
R788 27k :RN-CP
R789 12k :RN-CP
R790 100k :RN-CP
C761 4700p B:CHIP
C762 1
C760 0.047 25V B:CHIP
C759 0.068 25V B:CHIP
C758 0.047 25V B:CHIP
C757 10
C756 0.047 25V B:CHIP
HDY TO P2, P3
Q703
2SA1037AK
V SYNC SEP
Q704
2SC2412K
V SYNC SEP
D701
MA111-TX
IC721
TC7S08FU
BUFFER
IC722
TC7W74FU
D-FF
C741 4700p B:CHIP
C743 1 16V F:CHIP
C740 2200p B:CHIP
C742 1000p B:CHIP
C744 0.015 B:CHIP
R792 2.2k :RN-CP
R793 2.2k :RN-CP
R794 2.2k :RN-CP
R795 2.2k :CHIP
R796 100 :CHIP
R797 100k :CHIP
R798 4.7k :CHIP
R799 10k :CHIP
R767 10k :CHIP
C719 0.1 25V B:CHIP
R768 100 :CHIP
R766 5.6k :CHIP
DISPEN TO P7
TP701 VS
TP702 HS
TP703 BLK
TP704 CLK
TP705 PRT
13
14
15
16
17
TO PLASMA DISPLAY PANEL
CN15 80P
A1 B9
B1 R9
A2 GND
B2 GND
A3 B8
B3 R8
A4 GND
B4 GND
A5 B7
B5 R7
A6 GND
B6 GND
A7 B6
B7 R6
A8 GND
B8 GND
A9 B5
B9 R5
A10 GND
B10 GND
A11 B4
B11 R4
A12 GND
B12 GND
A13 B3
B13 R3
A14 GND
B14 GND
A15 B2
B15 R2
A16 GND
B16 GND
A17 B1
B17 R1
A18 GND
B18 GND
A19 B0
B19 R0
A20 GND
B20 GND
A21 V.SYNC
B21 G9
A22 GND
B22 GND
A23 H.SYNC
B23 G8
A24 GND
B24 GND
A25 BLANK
B25 G7
A26 GND
B26 GND
A27 CLK
B27 G6
A28 GND
B28 GND
A29 PRT
B29 G5
A30 GND
B30 GND
A31 DISPEN
B31 G4
A32 GND
B32 GND
A33 NC
B33 G3
A34 CNT-0
B34 GND
A35 CNT-1
B35 G2
A36 CNT-2
B36 GND
A37 NC
B37 G1
A38 GND
B38 GND
A39 NC
B39 G0
A40 GND
B40 GND
B (1/9)
(PDP INTERFACE)
B-SS9683<U/C>-B P1

1
2
3
4
5

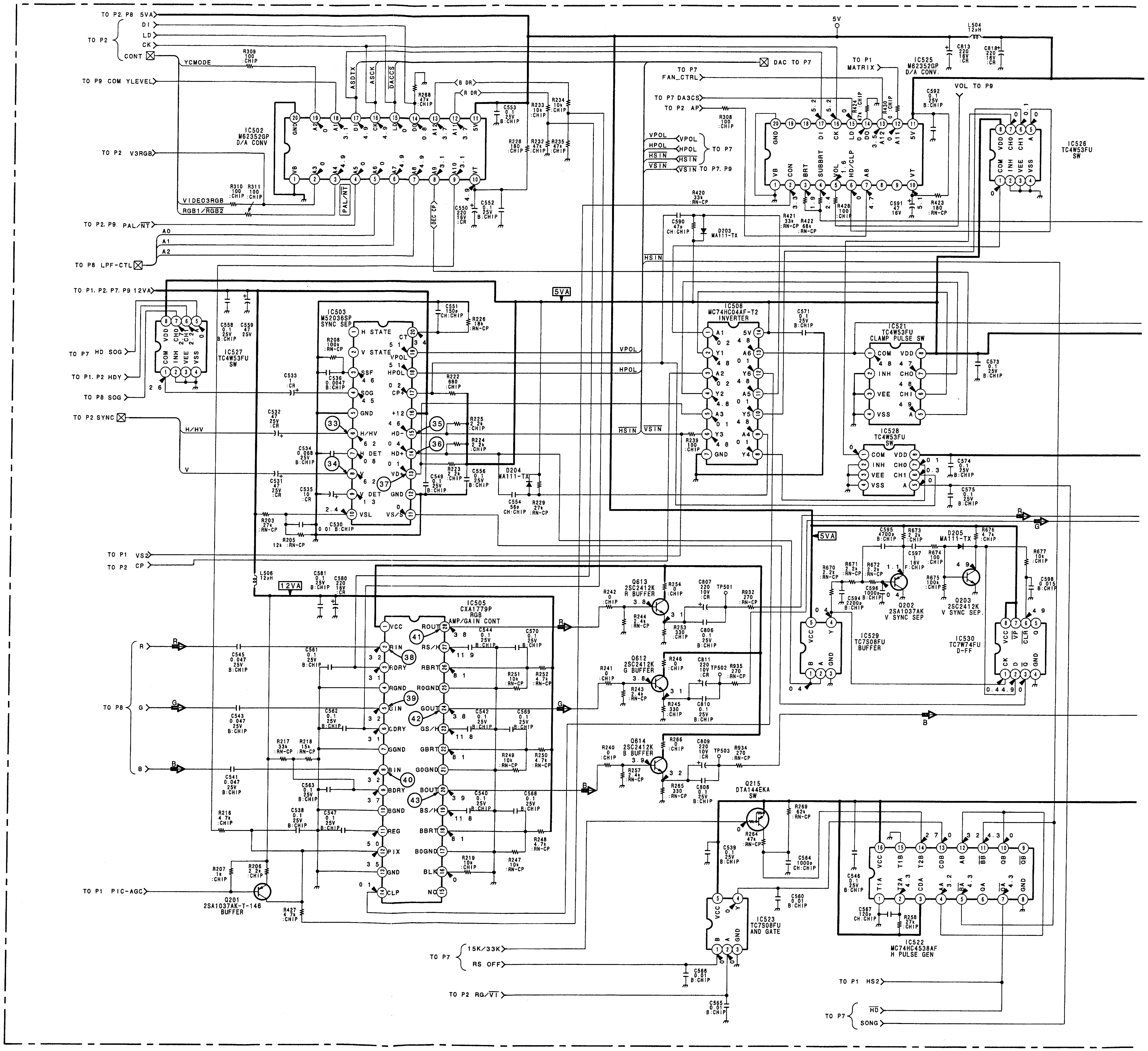
A | B | C | D | E | F | G | H


1
2
3
4
5
A
B
C
D
E
F
G
H
TO P7 A O MUTE
TO P3 RG/VT
CN1 15P BTOB
SCL 15
SDA 14
V.SYNC 13
A.MUTE 12
YC MODE 11
RGB1/RGB2 10
VIDEO/RGB 9
GND 8
C.OUT 7
GND 6
Y.OUT 5
GND 4
C.VIDEO 3
GND 2
+13V 1
TO H2 BOARD (1/2) CN804
CN2 10P BTOB
GND 10
V 9
H/HV 8
B/B-Y 7
GND 6
G/Y 5
GND 4
R/R-Y 3
HDY 2
5V 1
TO H2 BOARD (1/2) CN803
CN11 5P B TO B
GND 1
GND 2
GND 3
GND 4
APERTURE 5
TO B1 BOARD CN1002
TB101
GND 1
TO BR BOARD (3/3) CN6504
CN3 4P
+13.5V 4
+6.2V 3
GND 2
FPD 1
TO BR BOARD (3/3) CN6502
TO P1 FPD
CN6 11P WHT :H
+13.5V 11
AGND 10
AGND 9
+6.2V 8
+6.2V 7
DGND 6
DGND 5
5VD 4
5VD 3
STBY +5V 2
STBY 1
TO G1 BOARD CN5004
① - ⑪ PINS
TO P7 STBY
STBY5V
TO P3. P7 5VD
TO P3. P8 5VA
TO P9 COM5V
CN10 5P B TO B
+12V 1
+12V 2
Y.OUT 3
Y.IN 4
Y.IN 5
TO B1 BOARD CN1001
TO P1. P3. P7. P9 12VA
TO P9 Y OUT
C OUT
V OUT
TO P1 AV L
TO P7 V SYNC MODE
TO P1. P3 HDY
TO P3 AP
RGB1/RGB2
RGB/VID
C
Y
VIDEO
5V
R778 47 :CHIP
R779 47 :CHIP
R780 47 :CHIP
R777 47k :CHIP
D777 UDZ-TE-17-12B
D778 UDZ-TE-17-12B
IC777 24LC21/SN DDC
VCC VCLK SCL SDA VSS
C322 0.1 25V B:CHIP
C321 47 16V :BP
D326 MA157-TX
B B1
C320 0.1 25V B:CHIP
C319 47 16V :BP
D324 MA157-TX
G G1
C318 0.1 25V B:CHIP
C317 47 16V :BP
D322 MA157-TX
R R1
C301 12p CH:CHIP
C302 6p CH:CHIP
B/B-Y
G/Y
R/R-Y
VIDEO/Y/C
R323 2.2k :RN-CP
R324 47k :CHIP
Q330 2SA1037AK GAIN CONTROL
Q329 2SC2412K INVERTER
R322 1.2k :RN-CP
12VA
R871 0.22 1W :RS
IC712 LM2940CT-12 12V REG
TP71
TP70
C728 220 16V :CR
C729 0.1 25V :CHIP
C730 0.1 25V :CHIP
C731 220 16V :CR
R872 0.22 1W :RS
IC713 LM2940CT-5 0 5V REG
TP72
C718 220 16V :CR
C721 0.1 25V :CHIP
C732 0.1 25V :CHIP
C733 220 16V :CR
IC714 LM2940CT-5.0 5V REG
TP73
C764 0.1 25V :CHIP
C765 220 16V :CR
R/G/B
C601 0.1 25V B:CHIP
C600 0.1 25V B:CHIP
IC300 CXA1211M VCA
R-Y
C602 47 25V :CR
C605 47 25V :CR
C603 0.1 25V B:CHIP
C620 47 16V
Y
B-Y
C609 47 16V
C608 0.1 25V B:CHIP
C604 0.1 25V B:CHIP
IC301 CXA1211M VCA
C606 47 25V :CR
C607 0.1 25V B:CHIP
R340 1.8k :CHIP
5V
L302 1.2uH :CHIP
R352 0 :CHIP
R350 10k :RN-CP
IC317 MC74HC4052F H/V SW
R348 0 :CHIP
R1239 10k :CHIP
R353 10k :RN-CP
C332 0.1 25V B:CHIP
R1240 10k :CHIP
H/HV
V
RGB/VID
SYNC TO P3
R1233 10k :CHIP
R1229 47k :CHIP
R1230 47k :CHIP
IC304 M62352GP D/A CONV
VS MODE TO P9
DI
CK
LD
TO P3
GND NT/PAL DI CK LD DO A SUB HUE VCC
VBT SUB CONT SUB COL HUE COL EX Y EX B EX R COM/VID VTP
C613 47 16V
C614 0.1 25V B:CHIP
R365 220 :CHIP
R1231 220 :CHIP
C612 47 16V
R1241 22k :CHIP
R1218 10k :CHIP
R1211 82k :CHIP
R1212 82k :CHIP
R1213 15k :CHIP
R1214 15k :CHIP
R1215 10k :CHIP
R1216 10k :CHIP
R1217 10k :CHIP
D341 MA111-TX
COL TO P7
R1219 39k :CHIP
R1220 39k :CHIP
R1221 68k :CHIP
R1222 82k :CHIP
R1223 82k :CHIP
R1224 22k :CHIP
R1232 22k :CHIP
R1228 22k :CHIP
R1227 22k :CHIP
R1226 22k :CHIP
R364 33k :RN-CP
R363 18k :RN-CP
Q307 2SA1037AK BUFFER
C329 0.1 25V B:CHIP
R1201 1.8k :CHIP
R1203 560 :RN-CP
C610 220 10V
R1200 470 :CHIP
R1202 3.3k :CHIP
IC302 MC74HC4053F Y/C SW
VCC Y X X1 X0 A B INH VEE GND
⑱
⑲
⑳
R347 1.8k :RN-CP
R362 18k :RN-CP
C615 33 16V :BP
R346 3.3k :RN-CP
R361 33k :RN-CP
Q352 2SC2412K BUFFER
R1207 100 :CHIP
R1206 1k :CHIP
5V
12VA
R354 680 :CHIP
R356 820 :CHIP
Q357 2SC2412K BUFFER
Q355 2SA1037K BUFFER
Q356 2SC2412K BUFFER
R355 1.5k :CHIP
R357 100 :CHIP
C1156 0.1 25V B:CHIP
C375 220 10V
R358 1k :CHIP
R359 10k :CHIP
Q358 DTC144EKA INVERTER
㉑
㉒
㉓
IC306 TC4W53FU V SW
VDD CHO CHI A COM INH VEE VSS
R1204 33k :RN-CP
C616 0.01 B:CHIP
Q351 2SA1037AK BUFFER
R1205 18k :RN-CP
VIDEO
R-Y
B-Y


IC321 µPC1830GT RGB DECODER
IC318 MC74HC04AF
Q354 DTA124EKA AFC TIME COUSTANT SW
IC319 BA7657F RGB SW
Q310 2SC2412K BUFFER
Q311 2SA1037AK BUFFER
Q317 2SC2412K CLAMP
Q322 2SC2412K BUFFER
Q316 2SC2412K CLAMP
Q321 2SC2412K BUFFER
Q315 2SC2412K CLAMP
Q320 2SC2412K BUFFER
D336 MA157-TX
D334 MA157-TX
D332 MA157-TX
D331 MA111-TX
X301 500KHz
X302 4.43MHz
X303 3.58MHz
IC305 TDA4665T/V5 1H DELAY
IC330 TC4W53FU SW
IC331 TC4W53FU SW
Q326 2SC2412K PICTURE AGC
Q327 2SC2412K PICTURE AGC
Q328 2SA1037AK PICTURE AGC
Q324 2SC2412K PICTURE AGC
Q323 2SC2412K PICTURE AGC
Q325 2SA1037AK PICTURE AGC
IC303 MC74HC4053F Y COLOR DIFFERENCE SW
R/G/B
5V
+5V
TO P3 CP
YCMODE
VIDEO3RGB
CONT TO P3
VID3RGB TO P1
RR
GG
BB
TO P8
V3RGB TO P3
PAL/NT TO P3, P9
VS TO P7, P9
CN4 6P
1 R
2 GND
3 G
4 GND
5 B
6 GND
TO BR BOARD (3/3) CN6500
CN8 4P
1 RGB/VID
2 HUE
3 COL
4 PAL/NT
TO BR BOARD (3/3) CN6501
CN21 10P
1 Y
2 GND
3 R-Y
4 GND
5 B-Y
6 GND
7 HD
8 VD
9 DRC HD
10 DRC VD
TO BR BOARD (2/3) CN6503
1
2
3
4
5
A
B
C
D
E
F
G
H

B (2/9)
(RGB DECODER)

B (3/9)


1
2
3
4
5
A
B
C
D
E
F
G
H
TO P2, P8 5VA
TO P2
DI
LD
CK
CONT
YCMODE
TO P9 COM YLEVEL
TO P2 V3RGB
VIDEO3RGB
RGB1/RGB2
TO P2, P9 PAL/NT
A0
A1
A2
TO P8 LPF-CTL
TO P1, P2, P7, P9 12VA
TO P7 HD SOG
TO P1, P2 HDY
TO P8 SOG
TO P2 SYNC
H/HV
V
TO P1 VS2
TO P2 CP
R
G
B
TO P8
TO P1 PIC-AGC
IC502 M62352GP D/A CONV
ASDTX
ASCK
DACCS
B DR
R DR
PAL/NT
DEC CP
IC527 TC4W53FU SW
IC503 M52036SP SYNC SEP
5VA
12VA
IC505 CXA1779P RGB AMP/GAIN CONT
Q201 2SA1037AK-T-146 BUFFER
Q613 2SC2412K R BUFFER
Q612 2SC2412K G BUFFER
Q614 2SC2412K B BUFFER
TP501
TP502
TP503
Q215 DTA144EKA SW
IC523 TC7S08FU AND GATE
TO P7 15K/33K
RS OFF
TO P2 RG/VI
5V
TO P7 FAN_CTRL
TO P7 DA3CS
TO P2 AP
DAC TO P7
TO P1 MATRIX
IC525 M62352GP D/A CONV
VOL TO P9
IC526 TC4W53FU SW
VPOL
HPOL
HSIN
VSIN
TO P7
TO P7, P9
D203 MA111-TX
D204 MA111-TX
D205 MA111-TX
IC508 MC74HC04AF-T2 INVERTER
IC521 TC4W53FU CLAMP PULSE SW
IC528 TC4W53FU SW
Q202 2SA1037AK V SYNC SEP
Q203 2SC2412K V SYNC SEP.
IC529 TC7S08FU BUFFER
IC530 TC7W74FU D-FF
IC522 MC74HC4538AF H PULSE GEN
TO P1 HS2
TO P7 HD
SONG
L504 12μH
L506 12μH

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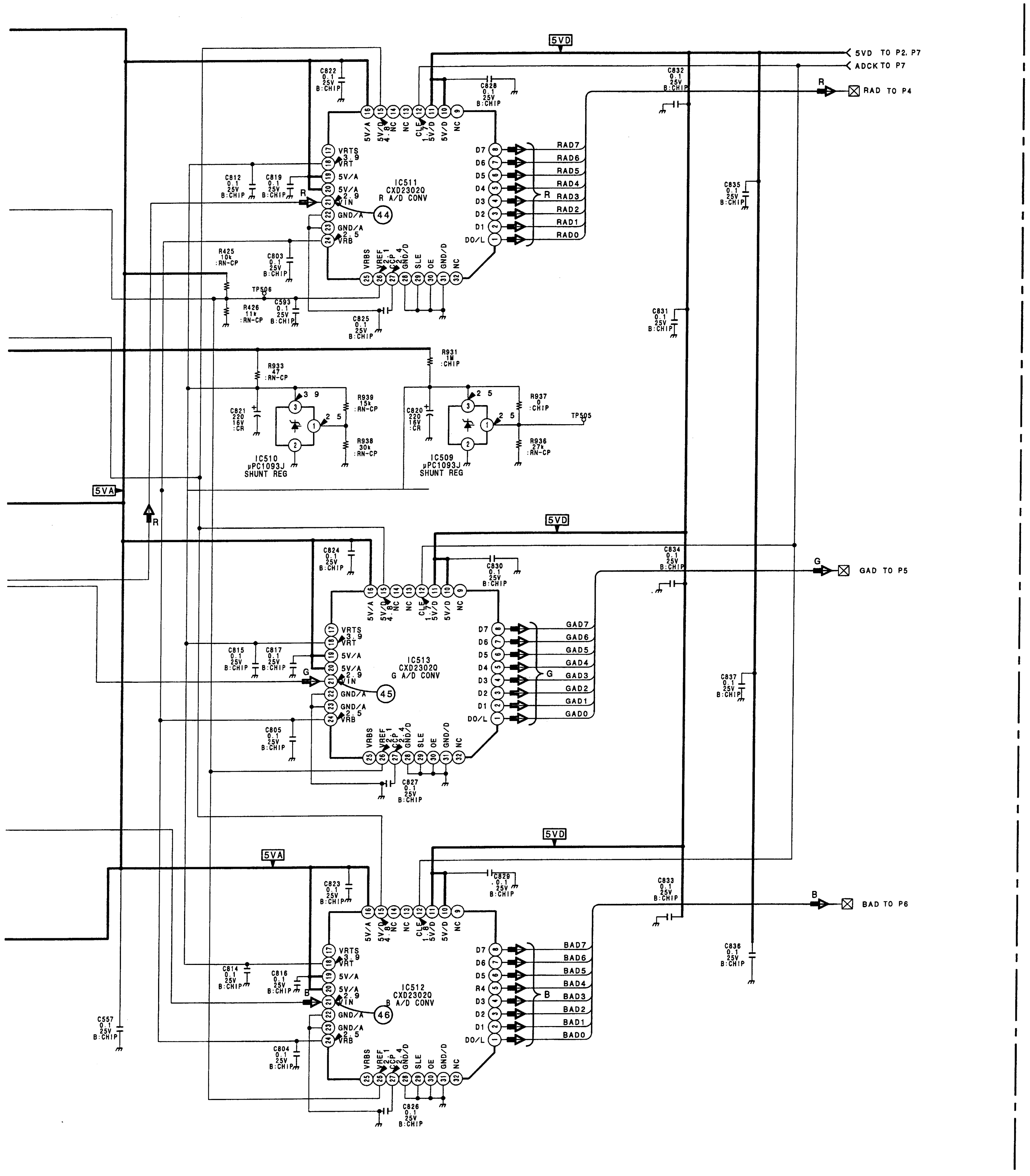
PFM-510A1WU/PFM-510A1WE

SONY-SP1132 / DRUCK 30


5VD
5VD TO P2, P7
ADCK TO P7
RAD TO P4
GAD TO P5
BAD TO P6
5VA
IC511
CXD2302Q
R A/D CONV
IC513
CXD2302Q
G A/D CONV
IC512
CXD2302Q
B A/D CONV
IC510
µPC1093J
SHUNT REG
IC509
µPC1093J
SHUNT REG
44
45
46
VRTS
VRT
5V/A
VIN
GND/A
VRB
VRBS
VREF
CCP
GND/D
SLE
OE
NC
CLE
5V/D
D7
D6
D5
D4
D3
D2
D1
D0/L
RAD7
RAD6
RAD5
RAD4
RAD3
RAD2
RAD1
RAD0
GAD7
GAD6
GAD5
GAD4
GAD3
GAD2
GAD1
GAD0
BAD7
BAD6
BAD5
BAD4
BAD3
BAD2
BAD1
BAD0
R
G
B
C822 0.1 25V B:CHIP
C828 0.1 25V B:CHIP
C832 0.1 25V B:CHIP
C812 0.1 25V B:CHIP
C819 0.1 25V B:CHIP
C835 0.1 25V B:CHIP
R425 10k :RN-CP
C803 0.1 25V B:CHIP
TP506
R426 11k :RN-CP
C593 0.1 25V B:CHIP
C825 0.1 25V B:CHIP
C831 0.1 25V B:CHIP
R931 1M :CHIP
R933 47 :RN-CP
C821 220 16V :CR
R939 15k :RN-CP
R938 30k :RN-CP
C820 220 16V :CR
R937 0 :CHIP
TP505
R936 27k :RN-CP
C824 0.1 25V B:CHIP
C830 0.1 25V B:CHIP
C834 0.1 25V B:CHIP
C815 0.1 25V B:CHIP
C817 0.1 25V B:CHIP
C837 0.1 25V B:CHIP
C805 0.1 25V B:CHIP
C827 0.1 25V B:CHIP
C823 0.1 25V B:CHIP
C829 0.1 25V B:CHIP
C833 0.1 25V B:CHIP
C814 0.1 25V B:CHIP
C816 0.1 25V B:CHIP
C836 0.1 25V B:CHIP
C557 0.1 25V B:CHIP
C804 0.1 25V B:CHIP
C826 0.1 25V B:CHIP
3.9
2.9
2.5
4.8
1.7
2.1
2.4

B (3/9)
(RGB A/D CONVERTER)

B-SS9683<U/C>-B P3

B (4/9)

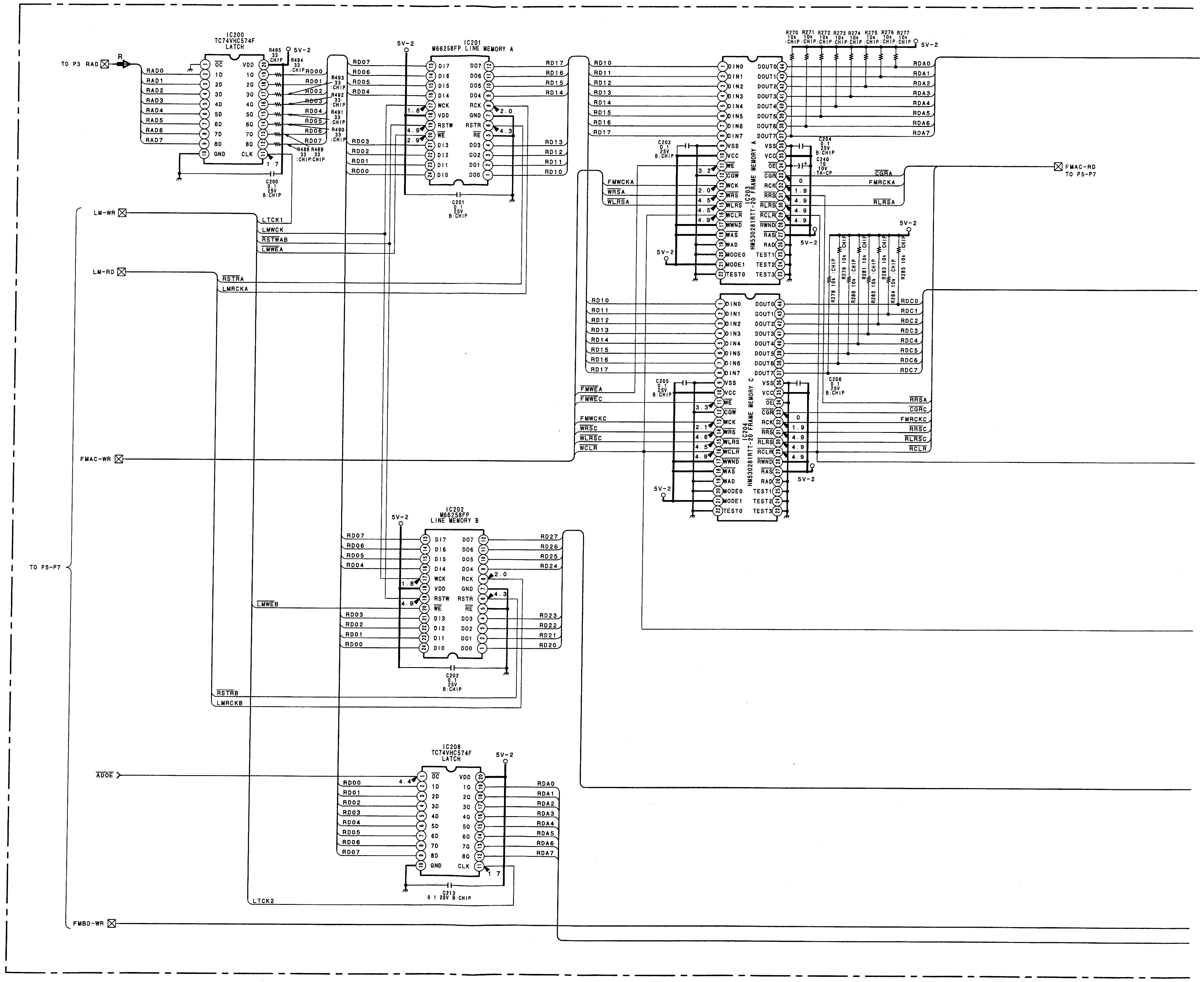
1

2

3

4

5


IC200 TC74VHC574F LATCH
IC201 M66258FP LINE MEMORY A
IC202 M66258FP LINE MEMORY B
IC203 HM530281RTT-20 FRAME MEMORY A
IC204 HM530281RTT-20 FRAME MEMORY C
IC208 TC74VHC574F LATCH
TO P3 RAD
TO P5-P7
LM-WR
LM-RD
FMAC-WR
ADOE
FMBD-WR
FMAC-RD TO P5-P7
LTCK1
LMWCK
RSTWAB
LMWEA
RSTRA
LMRCKA
LMWEB
RSTRB
LMRCKB
LTCK2
FMWCKA
WRSA
WLRSA
FMWEA
FMWEC
FMWCKC
WRSC
WLRSC
WCLR
CGRA
FMRCKA
RLRSA
RRSA
CGRC
FMRCKC
RRSC
RLRSC
RCLR
5V-2
C200 0.1 25V B:CHIP
C201 0.1 25V B:CHIP
C202 0.1 25V B:CHIP
C203 0.1 25V B:CHIP
C204 0.1 25V B:CHIP
C205 0.1 25V B:CHIP
C206 0.1 25V B:CHIP
C213 0.1 25V B:CHIP
C240 10 10V TA-CP
R270 R271 R272 R273 R274 R275 R276 R277 10k :CHIP
R278–R285 10k :CHIP
R488 R489 33 33 :CHIP:CHIP
R490 R491 R492 R493 R494 R495 33 :CHIP

D | E

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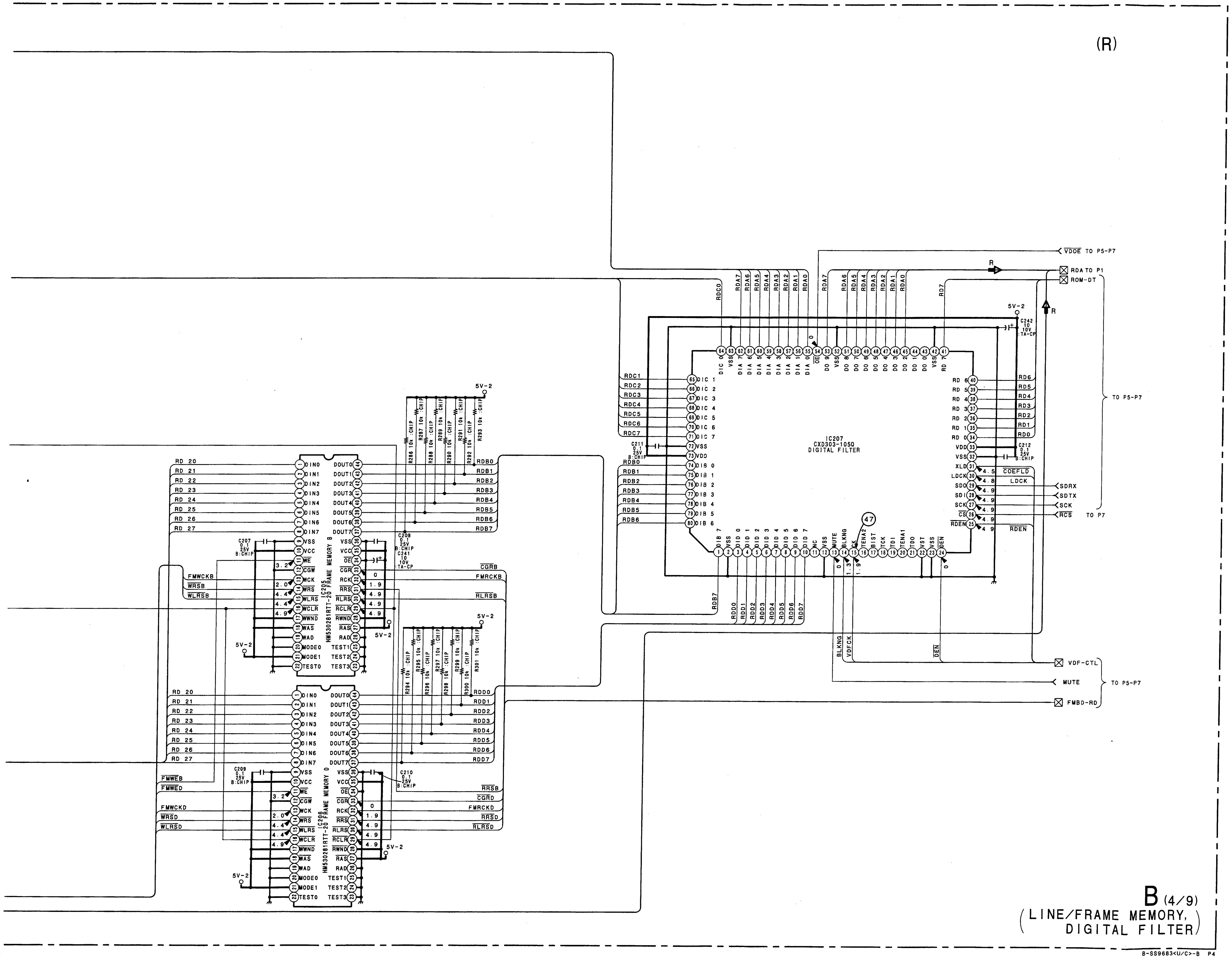
PFM-510A1WU/PFM-510A1WE

A | B | C | D | E | F | G | H

SONY-SP1132 / DRUCK 32

B (4/9)


(R)
IC207
CX0303-1050
DIGITAL FILTER
IC205
HM530281RT-20 FRAME MEMORY B
IC206
HM530281RT-20 FRAME MEMORY D
VDDE TO P5-P7
RDA TO P1
ROM-DT
TO P5-P7
SDRX
SDTX
SCK
RCS
TO P7
VDF-CTL
MUTE
TO P5-P7
FMBD-RD
COEFLD
LDCK
RDEN
BLKNG
VDFCK
DEN
5V-2
C242 10 10V TA-CP
C211 0.1 25V B:CHIP
C212 0.1 25V B:CHIP
C207 0.1 25V B:CHIP
C208 0.1 25V B:CHIP
C241 10 10V TA-CP
C209 0.1 25V B:CHIP
C210 0.1 25V B:CHIP
R286 10k :CHIP
R287 10k :CHIP
R288 10k :CHIP
R289 10k :CHIP
R290 10k :CHIP
R291 10k :CHIP
R292 10k :CHIP
R293 10k :CHIP
R294 10k :CHIP
R295 10k :CHIP
R296 10k :CHIP
R297 10k :CHIP
R298 10k :CHIP
R299 10k :CHIP
R300 10k :CHIP
R301 10k :CHIP
RD 20
RD 21
RD 22
RD 23
RD 24
RD 25
RD 26
RD 27
FMWCKB
WRSB
WLRSB
CGRB
FMRCKB
RLRSB
FMWEB
FMWED
FMWCKD
WRSD
WLRSD
RRSB
CGRD
FMRCKD
RRSD
RLRSD
RDB0
RDB1
RDB2
RDB3
RDB4
RDB5
RDB6
RDB7
RDD0
RDD1
RDD2
RDD3
RDD4
RDD5
RDD6
RDD7
RDC0
RDC1
RDC2
RDC3
RDC4
RDC5
RDC6
RDC7
RDA0
RDA1
RDA2
RDA3
RDA4
RDA5
RDA6
RDA7
RD0
RD1
RD2
RD3
RD4
RD5
RD6
RD7
47
1
2
3
4
5
A
B
C
D
E
F
G
H

B (4/9)
(LINE/FRAME MEMORY, DIGITAL FILTER)

B-SS9683<U/C>-B P4

9-23

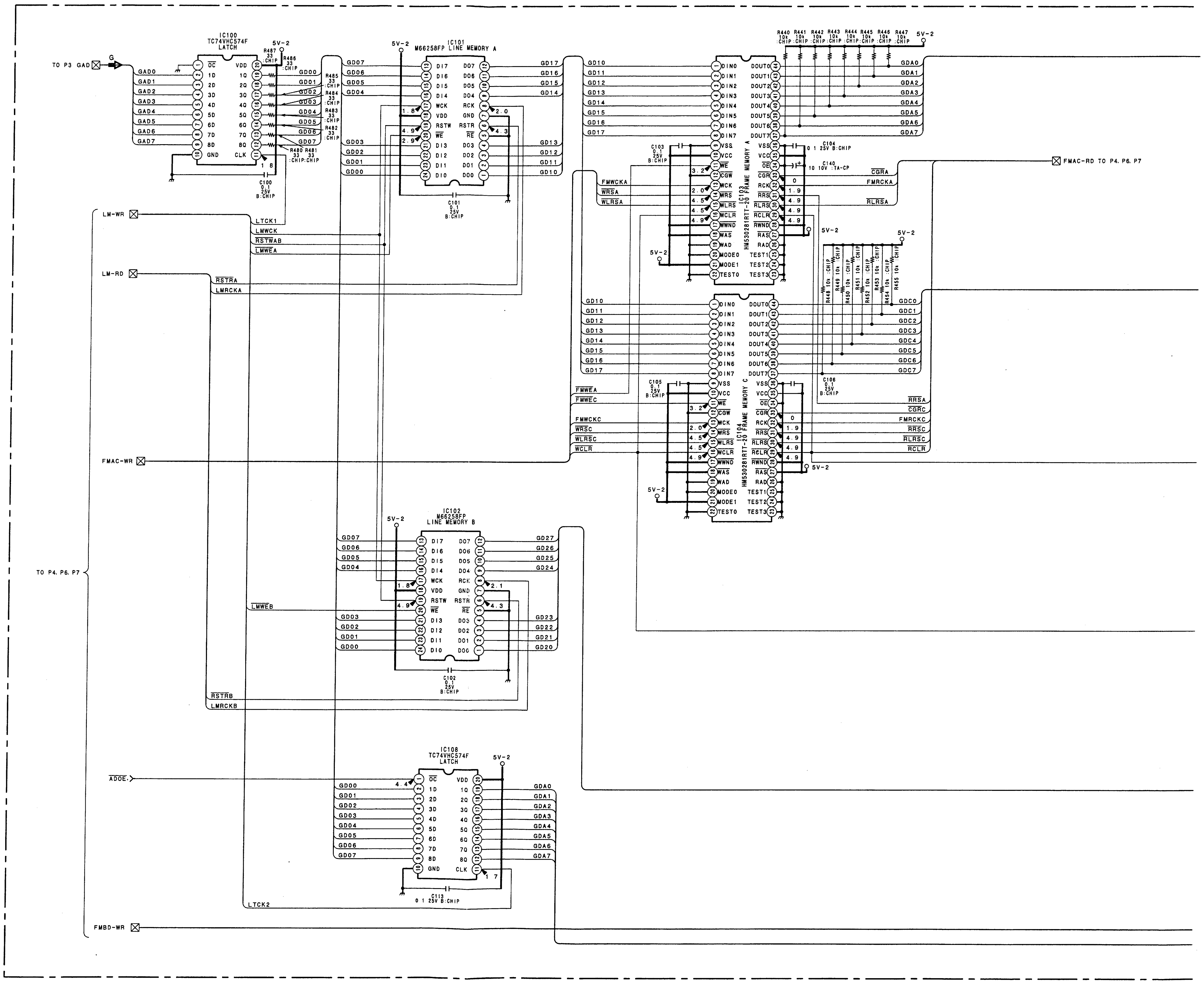
1

2

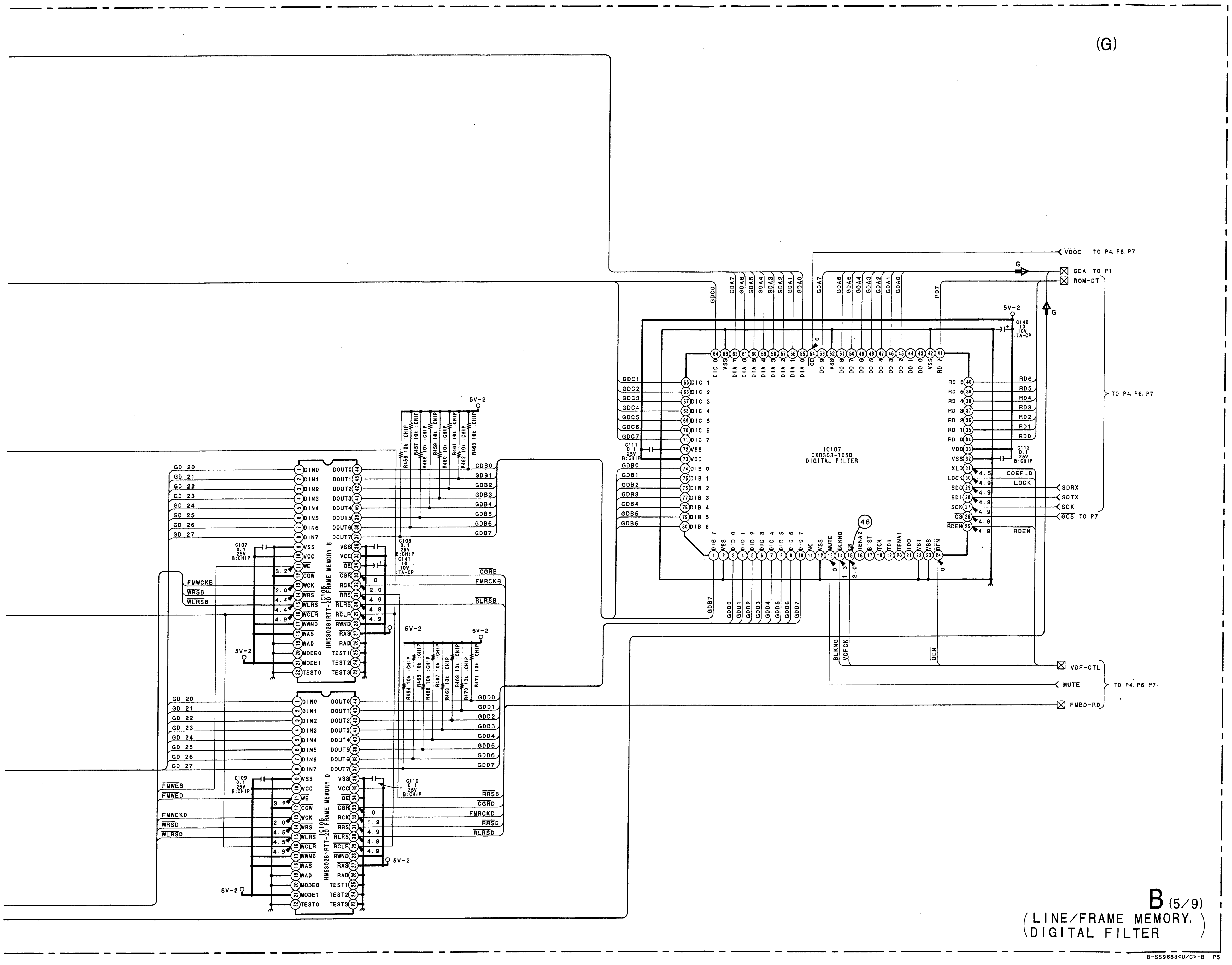
3

4

5

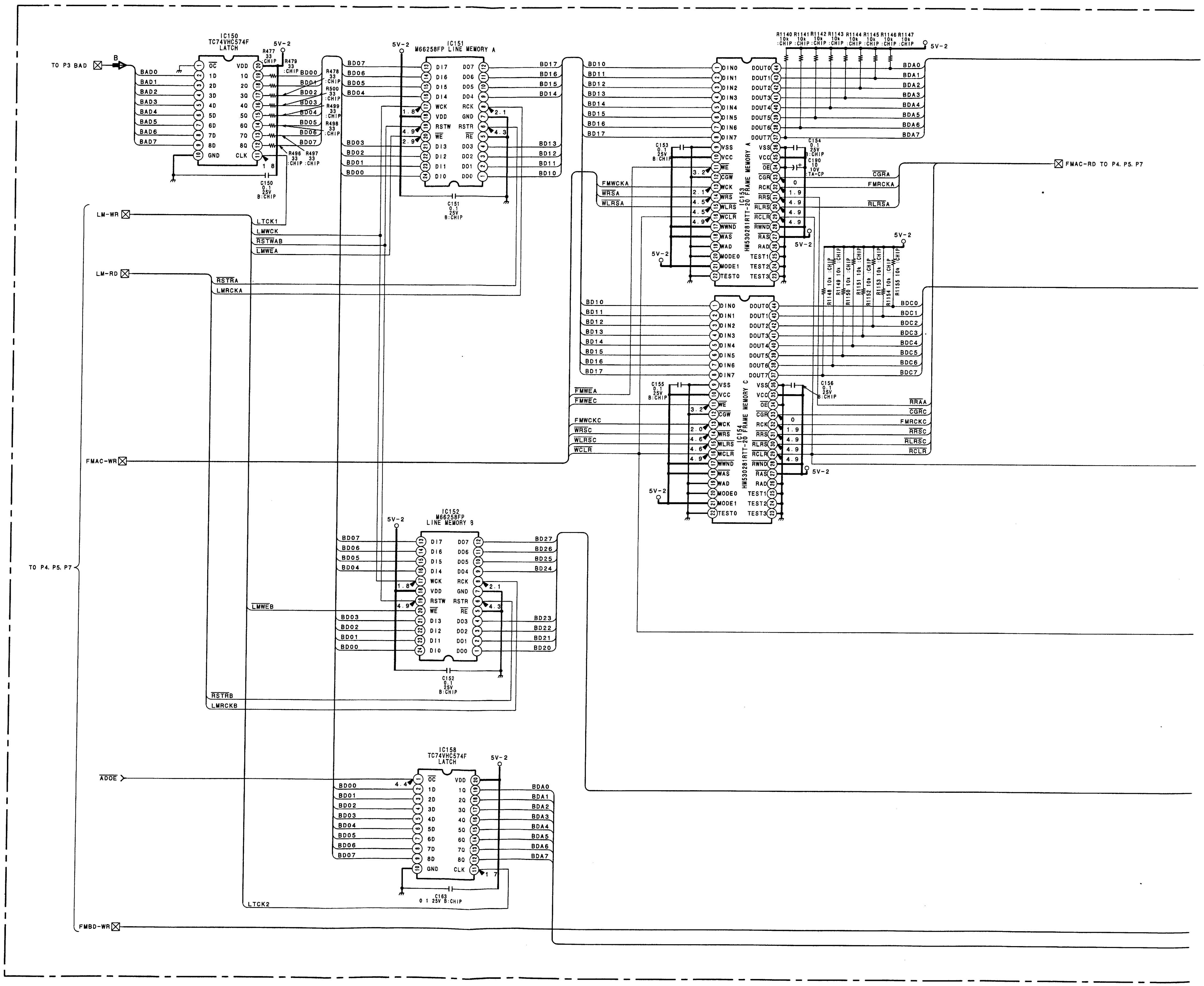

IC100
TC74VHC574F
LATCH
IC101
M66258FP LINE MEMORY A
IC102
M66258FP
LINE MEMORY B
IC103
HM530281RTT-20 FRAME MEMORY A
IC104
HM530281RTT-20 FRAME MEMORY C
IC108
TC74VHC574F
LATCH
5V-2
TO P3 GAD
LM-WR
LM-RD
FMAC-WR
TO P4. P6. P7
ADOE.
FMBD-WR
FMAC-RD TO P4. P6. P7
LTCK1
LMWCK
RSTWAB
LMWEA
RSTRA
LMRCKA
LMWEB
RSTRB
LMRCKB
LTCK2
FMWCKA
WRSA
WLRSA
FMWEA
FMWEC
FMWCKC
WRSC
WLRSC
WCLR
CGRA
FMRCKA
RLRSA
RRSA
CGRC
FMRCKC
RRSC
RLRSC
RCLR
GAD0
GAD1
GAD2
GAD3
GAD4
GAD5
GAD6
GAD7
GD00
GD01
GD02
GD03
GD04
GD05
GD06
GD07
GD10
GD11
GD12
GD13
GD14
GD15
GD16
GD17
GD20
GD21
GD22
GD23
GD24
GD25
GD26
GD27
GDA0
GDA1
GDA2
GDA3
GDA4
GDA5
GDA6
GDA7
GDC0
GDC1
GDC2
GDC3
GDC4
GDC5
GDC6
GDC7
C100 0.1 25V B:CHIP
C101 0.1 25V B:CHIP
C102 0.1 25V B:CHIP
C103 0.1 25V B:CHIP
C104 0.1 25V B:CHIP
C105 0.1 25V B:CHIP
C106 0.1 25V B:CHIP
C113 0.1 25V B:CHIP
C140 10 10V :TA-CP
R480 R481 33 33 :CHIP :CHIP
R482 33 :CHIP
R483 33 :CHIP
R484 33 :CHIP
R485 33 :CHIP
R486 33 :CHIP
R487 33 :CHIP
R440 R441 R442 R443 R444 R445 R446 R447 10k :CHIP
R448 R449 R450 R451 R452 R453 R454 R455 10k :CHIP

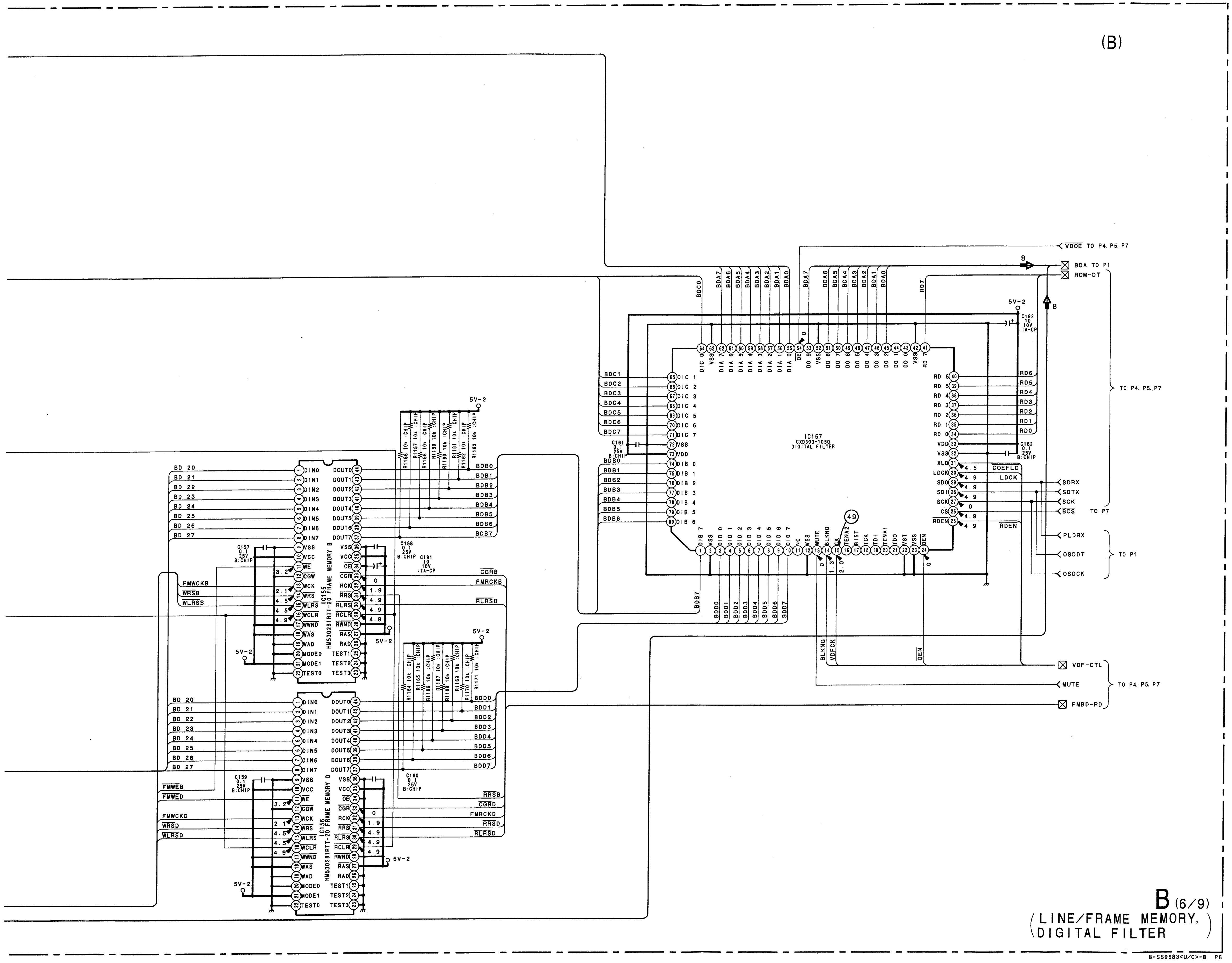
A | B | C | D | E | F | G | H


(G)
IC107
CXD303-1050
DIGITAL FILTER
IC105
HM530281RTT-20 FRAME MEMORY B
IC106
HM530281RTT-20 FRAME MEMORY D
VDOE TO P4. P6. P7
GDA TO P1
ROM-DT
TO P4. P6. P7
SDRX
SDTX
SCK
GCS TO P7
VDF-CTL
MUTE
FMBD-RD
TO P4. P6. P7
5V-2
GD 20
GD 21
GD 22
GD 23
GD 24
GD 25
GD 26
GD 27
FMWCKB
WRSB
WLRSB
FMWEB
FMWED
FMWCKD
WRSD
WLRSD
CGRB
FMRCKB
RLRSB
RRSB
CGRD
FMRCKD
RRSD
RLRSD
COEFLD
LDCK
RDEN
BLKNG
VDFCK
DEN
C107
C108
C109
C110
C111
C112
C141
C142
48
G
1
2
3
4
5

B (5/9)
(LINE/FRAME MEMORY, DIGITAL FILTER)

B-SS9683<U/C>-B P5


IC150
TC74VHC574F
LATCH
IC151
M66258FP LINE MEMORY A
IC152
M66258FP
LINE MEMORY B
IC153
HM530281RTT-20 FRAME MEMORY A
IC154
HM530281RTT-20 FRAME MEMORY C
IC158
TC74VHC574F
LATCH
TO P3 BAD
LM-WR
LM-RD
FMAC-WR
TO P4. P5. P7
ADOE
FMBD-WR
FMAC-RD TO P4. P5. P7
5V-2
LTCK1
LMWCK
RSTWAB
LMWEA
RSTRA
LMRCKA
LMWEB
RSTRB
LMRCKB
LTCK2
FMWCKA
WRSA
WLRSA
FMWEA
FMWEC
FMWCKC
WRSC
WLRSC
WCLR
CGRA
FMRCKA
RLRSA
RRAA
CGRC
FMRCKC
RRSC
RLRSC
RCLR
1
2
3
4
5
A
B
C
D
E
F
G
H


(B)
VDOE TO P4, P5, P7
BDA TO P1
ROM-DT
TO P4, P5, P7
5V-2
C192 10 10V :TA-CP
IC157
CXD303-1050
DIGITAL FILTER
BDC0
BDC1
BDC2
BDC3
BDC4
BDC5
BDC6
BDC7
BDA7
BDA6
BDA5
BDA4
BDA3
BDA2
BDA1
BDA0
RD7
RD6
RD5
RD4
RD3
RD2
RD1
RD0
C161 0.1 25V B:CHIP
C162 0.1 25V B:CHIP
COEFLD
LDCK
SDRX
SDTX
SCK
BCS
TO P7
RDEN
PLDRX
OSDDT
OSDCK
TO P1
BDB0
BDB1
BDB2
BDB3
BDB4
BDB5
BDB6
BDB7
BDD0
BDD1
BDD2
BDD3
BDD4
BDD5
BDD6
BDD7
BLKNG
VDFCK
DEN
VDF-CTL
MUTE
FMBD-RD
TO P4, P5, P7
IC155
HM530281RTT-20 FRAME MEMORY B
IC156
HM530281RTT-20 FRAME MEMORY D
BD 20
BD 21
BD 22
BD 23
BD 24
BD 25
BD 26
BD 27
FMWCKB
WRSB
WLRSB
FMWEB
FMWED
FMWCKD
WRSD
WLRSD
CGRB
FMRCKB
RLRSB
RRSB
CGRD
FMRCKD
RRSD
RLRSD
C157 0.1 25V B:CHIP
C158 0.1 25V B:CHIP
C191 10 10V :TA-CP
C159 0.1 25V B:CHIP
C160 0.1 25V B:CHIP
R1156 10k :CHIP
R1157 10k :CHIP
R1158 10k :CHIP
R1159 10k :CHIP
R1160 10k :CHIP
R1161 10k :CHIP
R1162 10k :CHIP
R1163 10k :CHIP
R1164 10k :CHIP
R1165 10k :CHIP
R1166 10k :CHIP
R1167 10k :CHIP
R1168 10k :CHIP
R1169 10k :CHIP
R1170 10k :CHIP
R1171 10k :CHIP

B (6/9)
(LINE/FRAME MEMORY,
DIGITAL FILTER)

B-SS9683<U/C>-B P6

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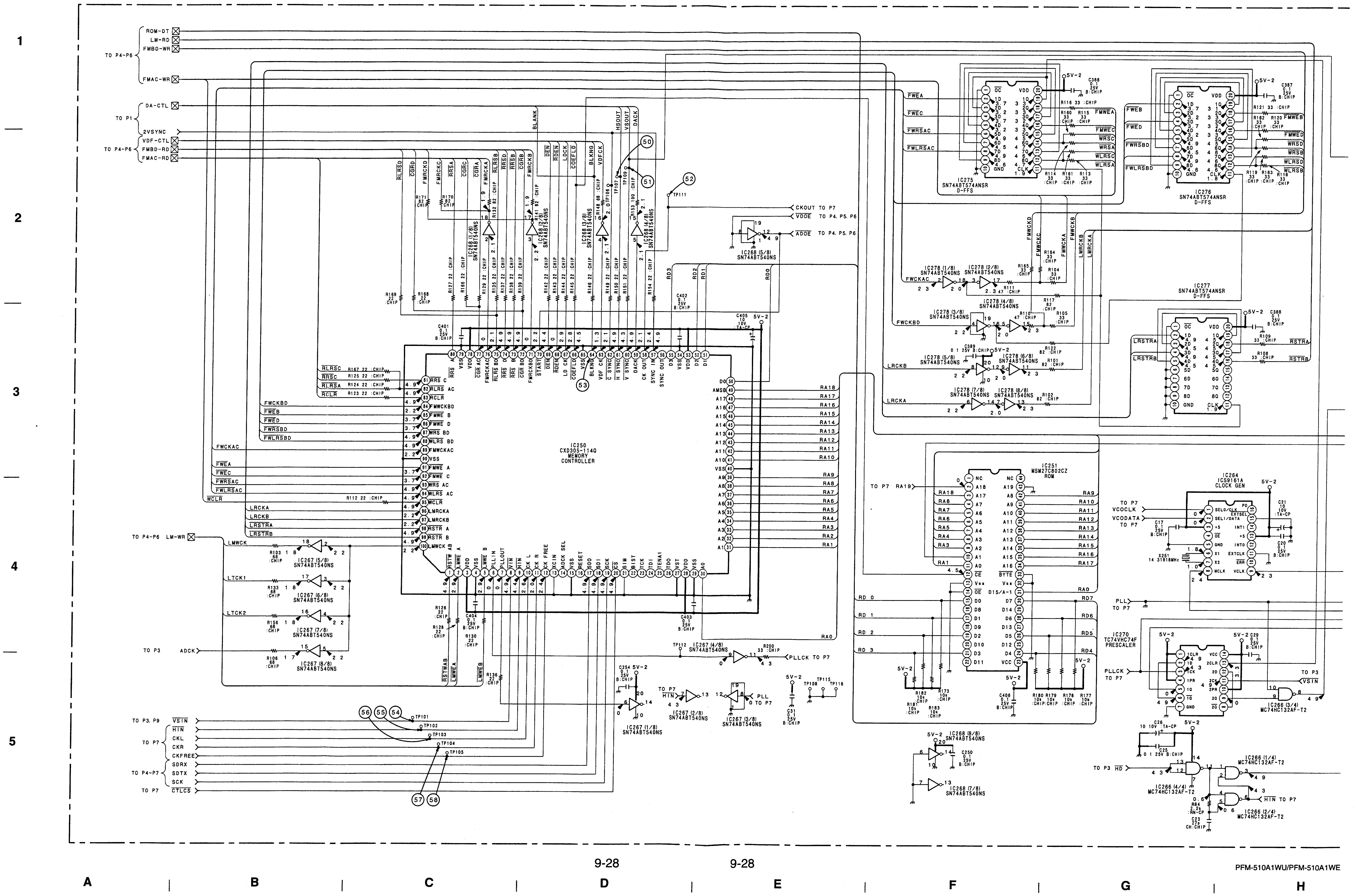
PFM-510A1WU/PFM-510A1WE

A | B | C | D | E | F | G | H

B (7/9)



1
2
3
4
5
A
B
C
D
E
F
G
H
TO P4-P6
ROM-DT
LM-RD
FMBD-WR
FMAC-WR
TO P1
DA-CTL
2VSYNC
VDF-CTL
FMBD-RD
FMAC-RD
IC250
CXD305-114Q
MEMORY CONTROLLER
IC251
MSM27C802CZ
ROM
IC264
ICS9161A
CLOCK GEN
IC270
TC74VHC74F
PRESCALER
IC275
SN74ABT574ANSR
D-FFS
IC276
SN74ABT574ANSR
D-FFS
IC277
SN74ABT574ANSR
D-FFS
IC266 (1/4) MC74HC132AF-T2
IC266 (2/4) MC74HC132AF-T2
IC266 (3/4) MC74HC132AF-T2
IC266 (4/4) MC74HC132AF-T2
IC267 SN74ABT540NS
IC268 SN74ABT540NS
IC278 SN74ABT540NS
CKOUT TO P7
VDOE TO P4, P5, P6
ADOE TO P4, P5, P6
TO P4-P6 LM-WR
TO P3 ADCK
PLLCK TO P7
TO P7 RA19
VCOCLK
VCODATA
TO P7
PLL TO P7
PLLCK TO P7
TO P3 VSIN
TO P3 HD
HIN TO P7
TO P3, P9 VSIN
HIN
TO P7 CKL
CKR
CKFREE
TO P4-P7 SDRX
SDTX
SCK
TO P7 CTLCS
X251 14.31818MHz
5V-2
TP101
TP102
TP103
TP104
TP105
TP108
TP111
TP112
TP115
TP116

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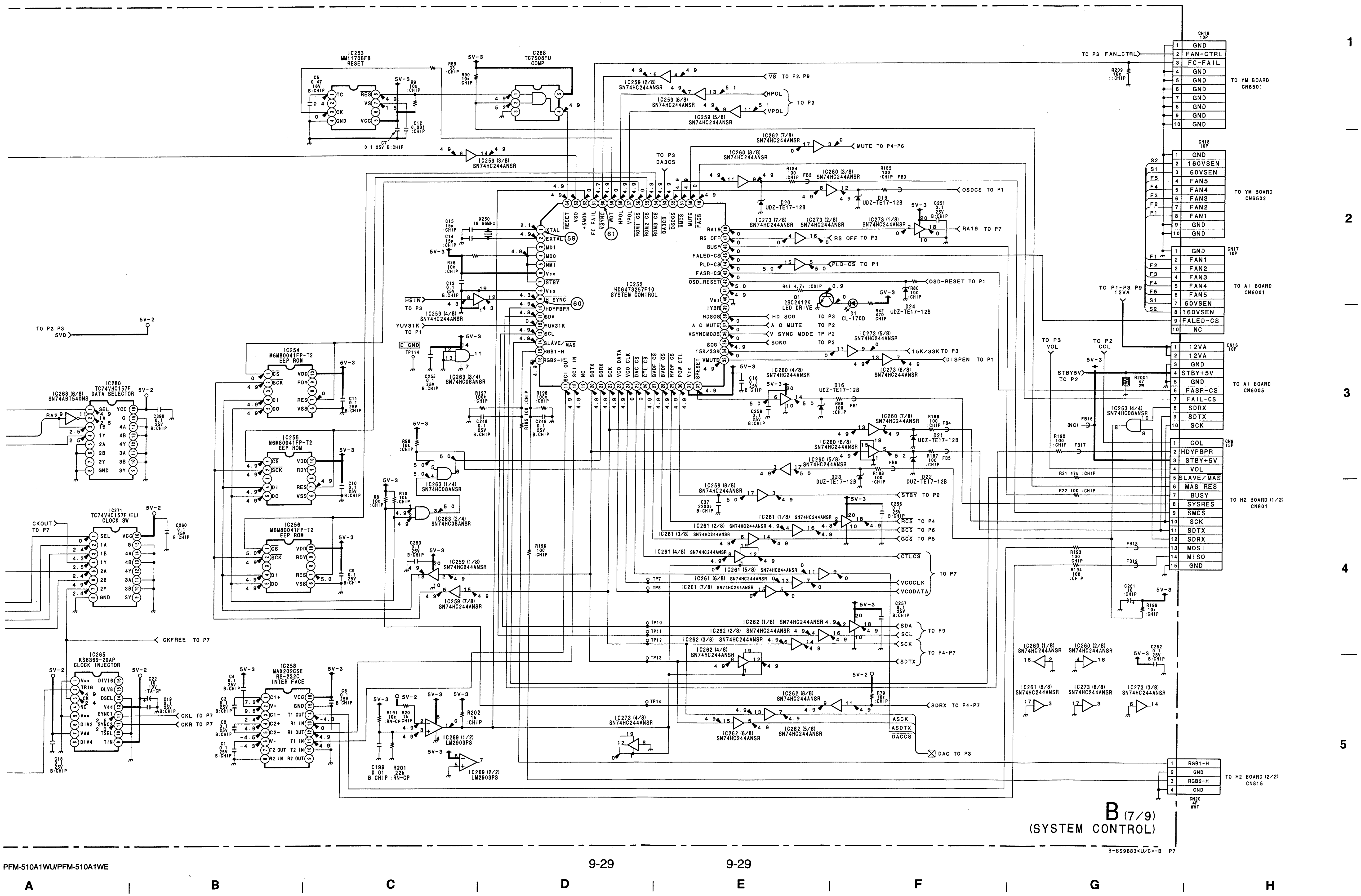
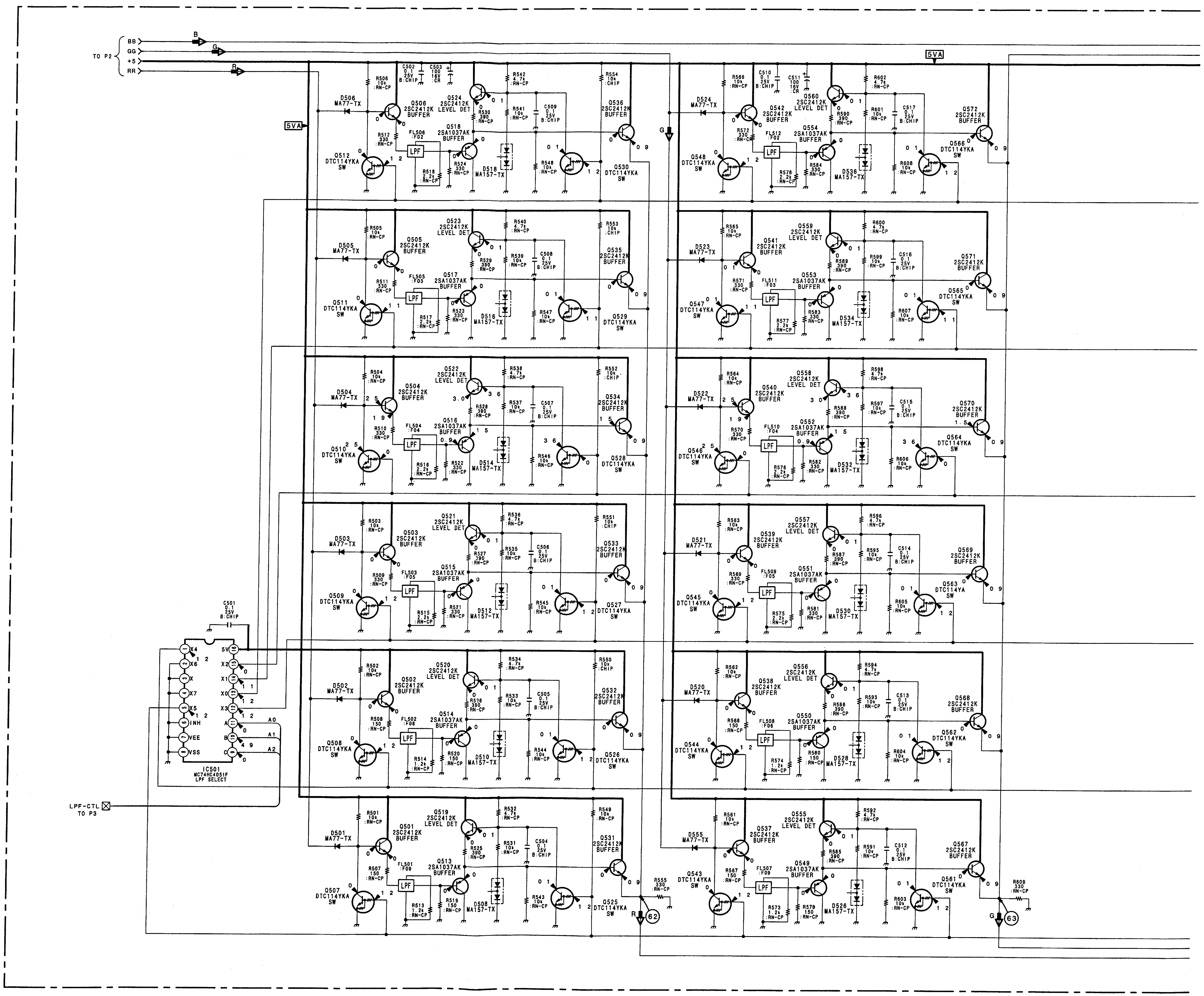

IC252
HD6473257F10
SYSTEM CONTROL
IC253
MM1170BFB
RESET
IC288
TC7S08FU
COMP
IC254
M6M80041FP-T2
EEP ROM
IC255
M6M80041FP-T2
EEP ROM
IC256
M6M80041FP-T2
EEP ROM
IC280
TC74VHC157F
DATA SELECTOR
IC268 (6/8)
SN74ABT540NS
IC271
TC74VHC157F (EL)
CLOCK SW
IC265
KS6369-20AP
CLOCK INJECTOR
IC258
MAX202CSE
RS-232C
INTER FACE
IC269 (1/2)
LM2903PS
IC269 (2/2)
LM2903PS
X250
19.66MHz
CN19
10P
FAN-CTRL
FC-FAIL
GND
TO YM BOARD
CN6501
CN18
10P
160VSEN
60VSEN
FAN5
FAN4
FAN3
FAN2
FAN1
TO YM BOARD
CN6502
CN17
10P
FALED-CS
NC
TO AI BOARD
CN6001
CN16
10P
12VA
STBY+5V
FASR-CS
FAIL-CS
SDRX
SDTX
SCK
TO AI BOARD
CN6005
CN9
15P
COL
HDYPBPR
VOL
SLAVE/MAS
MAS RES
BUSY
SYSRES
SMCS
MOSI
MISO
TO H2 BOARD (1/2)
CN801
CN20
4P
WHT
RGB1-H
RGB2-H
TO H2 BOARD (2/2)
CN815
TO P3 FAN_CTRL
VS TO P2, P9
HPOL
VPOL
TO P3
MUTE TO P4-P6
OSDCS TO P1
RA19 TO P7
RS OFF TO P3
PLD-CS TO P1
OSD-RESET TO P1
HD SOG
A O MUTE
V SYNC MODE TP P2
SONG
15K/33K TO P3
DISPEN TO P1
STBY TO P2
RCS TO P4
BCS TO P6
GCS TO P5
CTLCS
VCOCLK
VCODATA
TO P7
SDA
SCL
SCK
SDTX
TO P9
TO P4-P7
SDRX TO P4-P7
ASCK
ASDTX
DACCS
DAC TO P3
HSIN
TO P3
YUV31K
TO P1
D GND
TO P2, P3
5VD
CKOUT
TO P7
CKFREE TO P7
CKL TO P7
CKR TO P7
TO P1-P3, P9
12VA
TO P3
VOL
TO P2
COL
STBY5V
TO P2
1
2
3
4
5
A
B
C
D
E
F
G
H

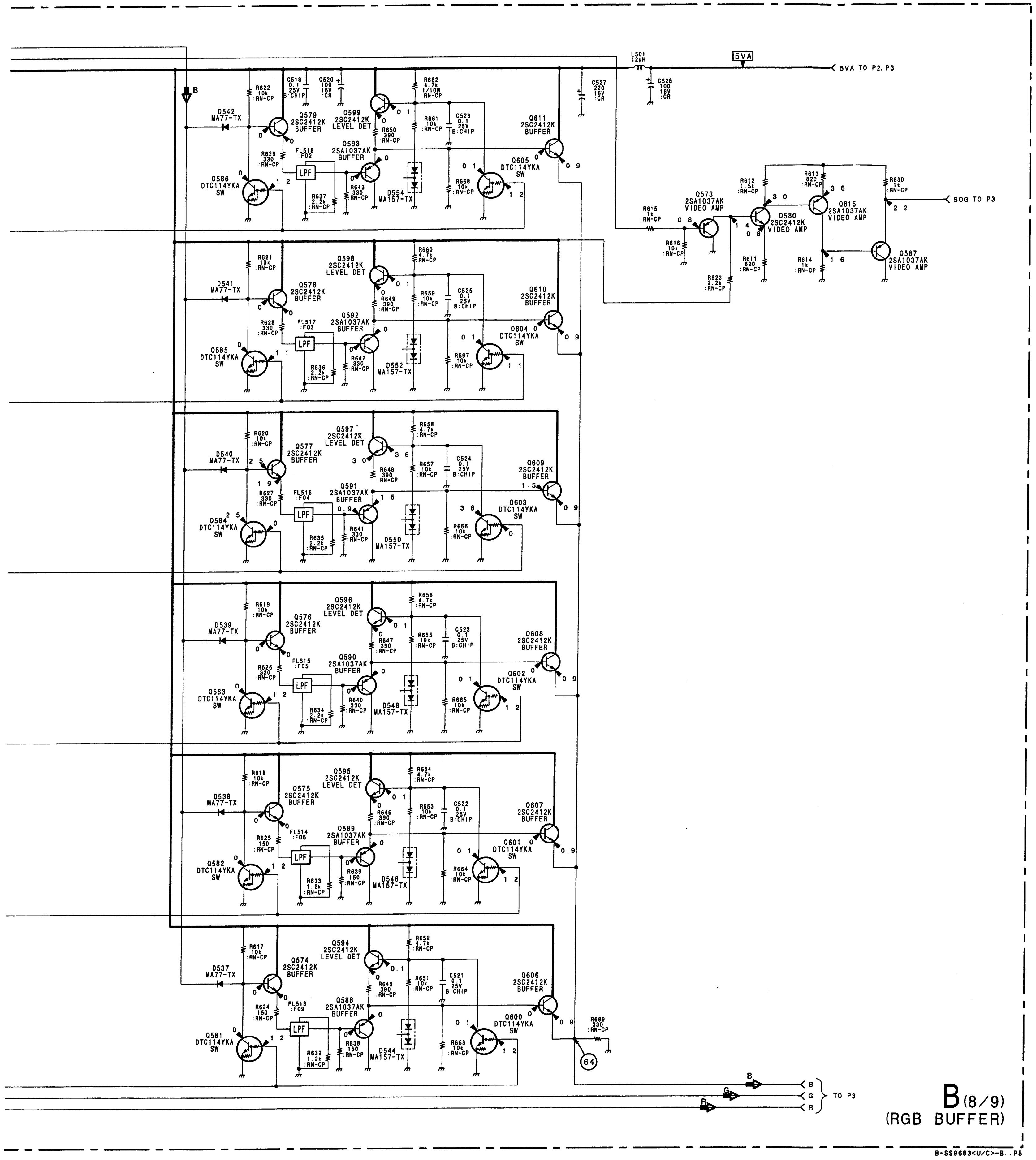
B (7/9)
(SYSTEM CONTROL)

B-SS9683<U/C>-B P7


TO P2
BB
GG
+5
RR
B
G
R
5VA
LPF-CTL
TO P3
IC501
MC74HC4051F
LPF SELECT
C501
0.1
25V
B:CHIP
X4
X6
X
X7
X5
INH
VEE
VSS
5V
X2
X1
X0
X3
A
B
C
A0
A1
A2
D506 MA77-TX
D505 MA77-TX
D504 MA77-TX
D503 MA77-TX
D502 MA77-TX
D501 MA77-TX
Q506 2SC2412K BUFFER
Q505 2SC2412K BUFFER
Q504 2SC2412K BUFFER
Q503 2SC2412K BUFFER
Q502 2SC2412K BUFFER
Q501 2SC2412K BUFFER
Q512 DTC114YKA SW
Q511 DTC114YKA SW
Q510 DTC114YKA SW
Q509 DTC114YKA SW
Q508 DTC114YKA SW
Q507 DTC114YKA SW
Q524 2SC2412K LEVEL DET
Q523 2SC2412K LEVEL DET
Q522 2SC2412K LEVEL DET
Q521 2SC2412K LEVEL DET
Q520 2SC2412K LEVEL DET
Q519 2SC2412K LEVEL DET
Q518 2SA1037AK BUFFER
Q517 2SA1037AK BUFFER
Q516 2SA1037AK BUFFER
Q515 2SA1037AK BUFFER
Q514 2SA1037AK BUFFER
Q513 2SA1037AK BUFFER
FL506 :F02
FL505 :F03
FL504 :F04
FL503 :F05
FL502 :F06
FL501 :F09
LPF
D518 MA157-TX
D516 MA157-TX
D514 MA157-TX
D512 MA157-TX
D510 MA157-TX
D508 MA157-TX
Q536 2SC2412K BUFFER
Q535 2SC2412K BUFFER
Q534 2SC2412K BUFFER
Q533 2SC2412K BUFFER
Q532 2SC2412K BUFFER
Q531 2SC2412K BUFFER
Q530 DTC114YKA SW
Q529 DTC114YKA SW
Q528 DTC114YKA SW
Q527 DTC114YKA SW
Q526 DTC114YKA SW
Q525 DTC114YKA SW
C502 0.1 25V B:CHIP
C503 100 16V :CR
R555 330 :RN-CP
62
D524 MA77-TX
D523 MA77-TX
D522 MA77-TX
D521 MA77-TX
D520 MA77-TX
D555 MA77-TX
Q542 2SC2412K BUFFER
Q541 2SC2412K BUFFER
Q540 2SC2412K BUFFER
Q539 2SC2412K BUFFER
Q538 2SC2412K BUFFER
Q537 2SC2412K BUFFER
Q548 DTC114YKA SW
Q547 DTC114YKA SW
Q546 DTC114YKA SW
Q545 DTC114YKA SW
Q544 DTC114YKA SW
Q543 DTC114YKA SW
Q560 2SC2412K LEVEL DET
Q559 2SC2412K LEVEL DET
Q558 2SC2412K LEVEL DET
Q557 2SC2412K LEVEL DET
Q556 2SC2412K LEVEL DET
Q555 2SC2412K LEVEL DET
Q554 2SA1037AK BUFFER
Q553 2SA1037AK BUFFER
Q552 2SA1037AK BUFFER
Q551 2SA1037AK BUFFER
Q550 2SA1037AK BUFFER
Q549 2SA1037AK BUFFER
FL512 :F02
FL511 :F03
FL510 :F04
FL509 :F05
FL508 :F06
FL507 :F09
D536 MA157-TX
D534 MA157-TX
D532 MA157-TX
D530 MA157-TX
D528 MA157-TX
D526 MA157-TX
Q572 2SC2412K BUFFER
Q571 2SC2412K BUFFER
Q570 2SC2412K BUFFER
Q569 2SC2412K BUFFER
Q568 2SC2412K BUFFER
Q567 2SC2412K BUFFER
Q566 DTC114YKA SW
Q565 DTC114YKA SW
Q564 DTC114YKA SW
Q563 DTC114YA SW
Q562 DTC114YKA SW
Q561 DTC114YKA SW
C510 0.1 25V B:CHIP
C511 100 16V :CR
R609 330 :RN-CP
63

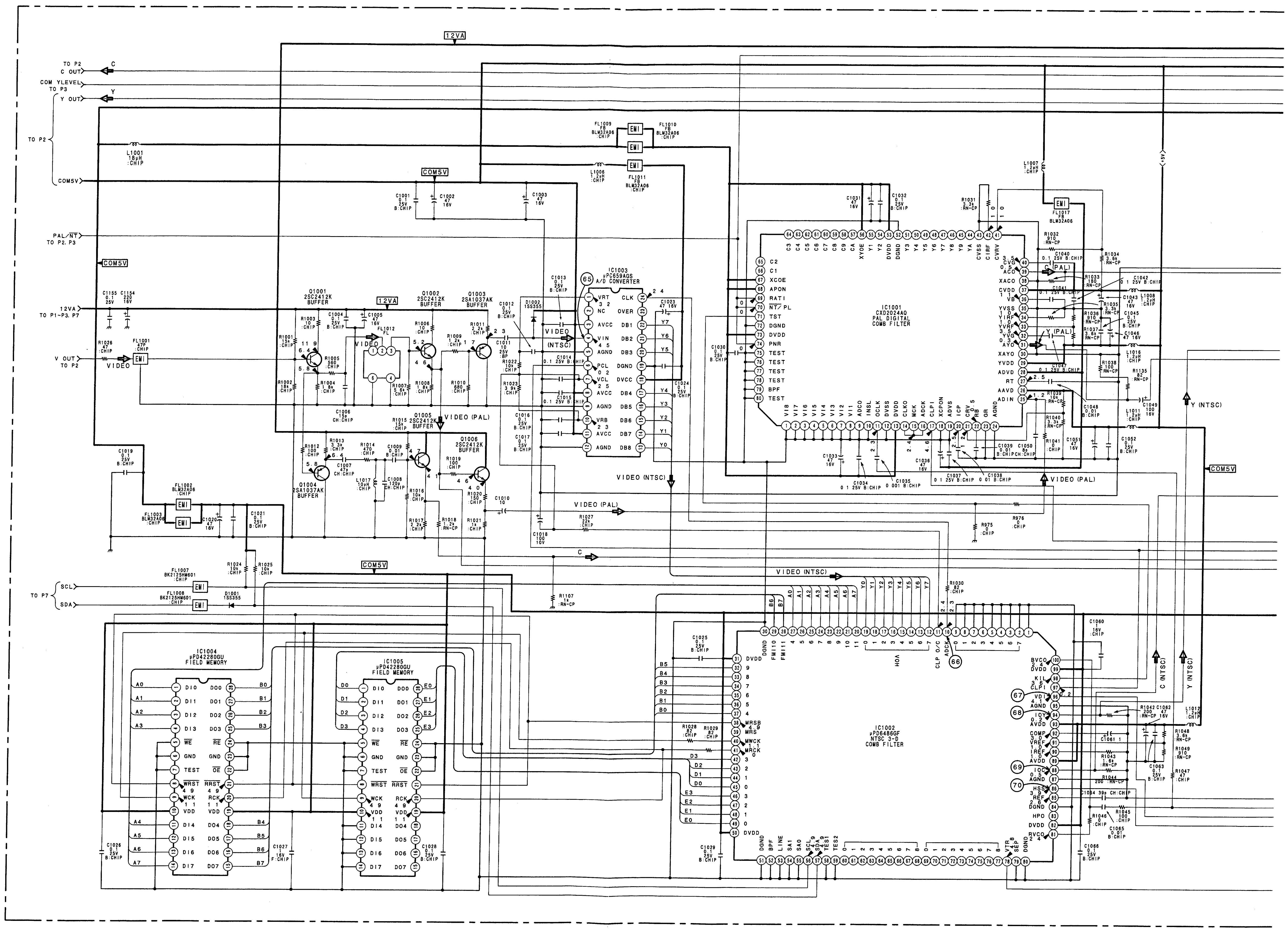
1
2
3
4
5
A
B
C
D
E
F
G
H

B (8/9)


L501 12µH
5VA
5VA TO P2, P3
C518 0.1 25V B:CHIP
C520 100 16V :CR
R622 10k :RN-CP
D542 MA77-TX
Q579 2SC2412K BUFFER
Q599 2SC2412K LEVEL DET
R662 2.2k 1/10W :RN-CP
R661 10k :RN-CP
C526 0.1 25V B:CHIP
C527 220 16V :CR
C528 100 16V :CR
Q611 2SC2412K BUFFER
R650 390 :RN-CP
Q593 2SA1037AK BUFFER
FL518 :F02
LPF
R629 330 :RN-CP
Q586 DTC114YKA SW
R637 2.2k :RN-CP
R643 330 :RN-CP
D554 MA157-TX
R668 10k :RN-CP
Q605 DTC114YKA SW
R615 1k :RN-CP
R616 10k :RN-CP
Q573 2SA1037AK VIDEO AMP
R612 1.5k :RN-CP
R613 820 :RN-CP
Q580 2SC2412K VIDEO AMP
Q615 2SA1037AK VIDEO AMP
R630 1k :RN-CP
SOG TO P3
R611 820 :RN-CP
R614 1k :RN-CP
Q587 2SA1037AK VIDEO AMP
R623 2.2k :RN-CP
R621 10k :RN-CP
D541 MA77-TX
Q578 2SC2412K BUFFER
Q598 2SC2412K LEVEL DET
R660 4.7k :RN-CP
R649 390 :RN-CP
R659 10k :RN-CP
C525 0.1 25V B:CHIP
Q610 2SC2412K BUFFER
R628 330 :RN-CP
FL517 :F03
Q592 2SA1037AK BUFFER
Q604 DTC114YKA SW
Q585 DTC114YKA SW
R636 2.2k :RN-CP
R642 330 :RN-CP
D552 MA157-TX
R667 10k :RN-CP
R620 10k :RN-CP
D540 MA77-TX
Q577 2SC2412K BUFFER
Q597 2SC2412K LEVEL DET
R658 4.7k :RN-CP
R648 390 :RN-CP
R657 10k :RN-CP
C524 0.1 25V B:CHIP
Q609 2SC2412K BUFFER
R627 330 :RN-CP
FL516 :F04
Q591 2SA1037AK BUFFER
Q603 DTC114YKA SW
Q584 DTC114YKA SW
R635 2.2k :RN-CP
R641 330 :RN-CP
D550 MA157-TX
R666 10k :RN-CP
R619 10k :RN-CP
D539 MA77-TX
Q576 2SC2412K BUFFER
Q596 2SC2412K LEVEL DET
R656 4.7k :RN-CP
R647 390 :RN-CP
R655 10k :RN-CP
C523 0.1 25V B:CHIP
Q608 2SC2412K BUFFER
R626 330 :RN-CP
FL515 :F05
Q590 2SA1037AK BUFFER
Q602 DTC114YKA SW
Q583 DTC114YKA SW
R634 2.2k :RN-CP
R640 330 :RN-CP
D548 MA157-TX
R665 10k :RN-CP
R618 10k :RN-CP
D538 MA77-TX
Q575 2SC2412K BUFFER
Q595 2SC2412K LEVEL DET
R654 4.7k :RN-CP
R646 390 :RN-CP
R653 10k :RN-CP
C522 0.1 25V B:CHIP
Q607 2SC2412K BUFFER
R625 150 :RN-CP
FL514 :F06
Q589 2SA1037AK BUFFER
Q601 DTC114YKA SW
Q582 DTC114YKA SW
R633 1.2k :RN-CP
R639 150 :RN-CP
D546 MA157-TX
R664 10k :RN-CP
R617 10k :RN-CP
D537 MA77-TX
Q574 2SC2412K BUFFER
Q594 2SC2412K LEVEL DET
R652 4.7k :RN-CP
R645 390 :RN-CP
R651 10k :RN-CP
C521 0.1 25V B:CHIP
Q606 2SC2412K BUFFER
R624 150 :RN-CP
FL513 :F09
Q588 2SA1037AK BUFFER
Q600 DTC114YKA SW
Q581 DTC114YKA SW
R632 1.2k :RN-CP
R638 150 :RN-CP
D544 MA157-TX
R663 10k :RN-CP
R689 330 :RN-CP
64
B
G
R
TO P3
B (8/9)
(RGB BUFFER)
B-SS9683<U/C>-B..P8
1
2
3
4
5

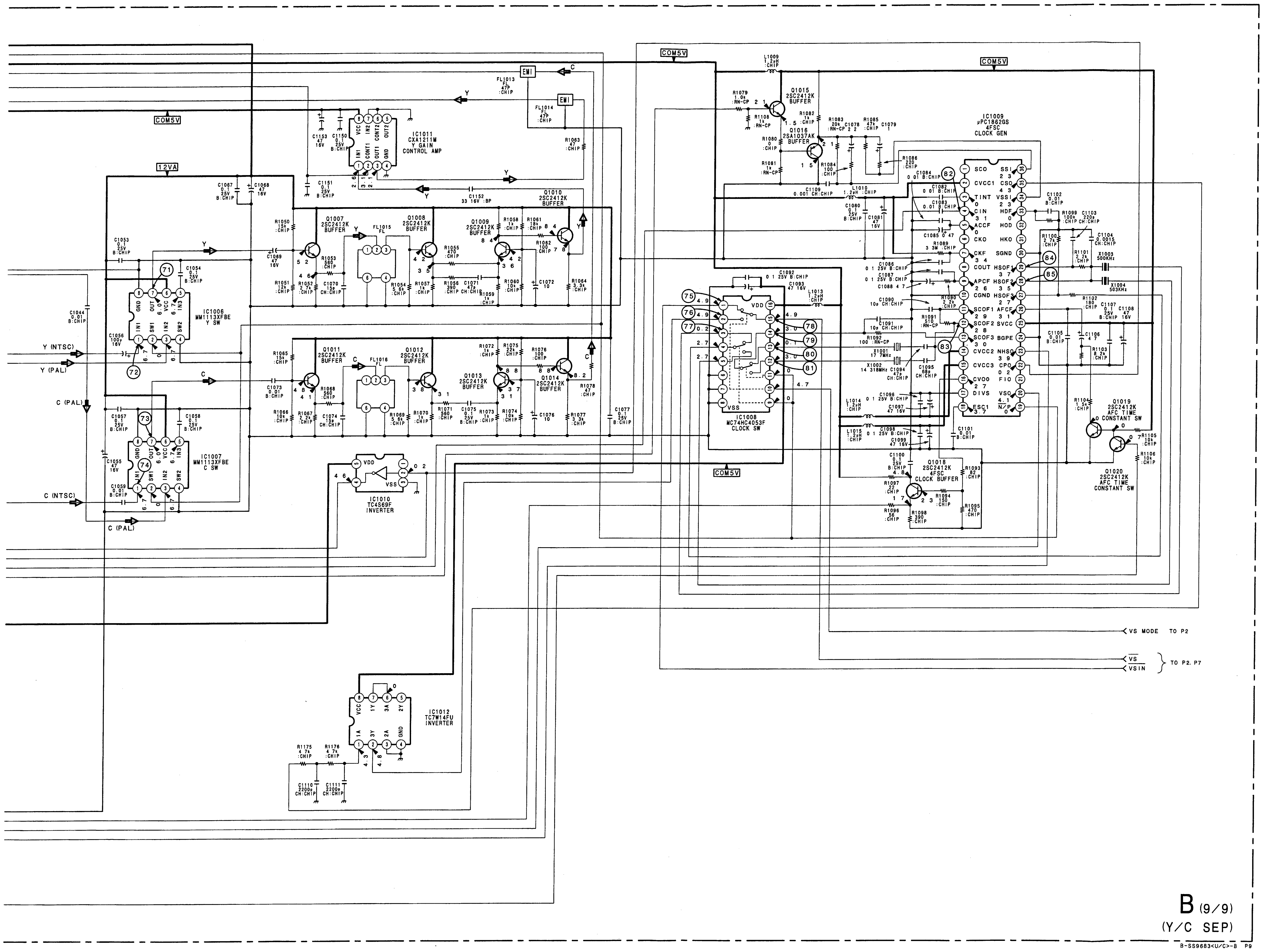
9-31

B (9/9)


12VA
TO P2
C OUT
COM YLEVEL
TO P3
Y OUT
L1001 18μH :CHIP
COM5V
PAL/NT
TO P2, P3
12VA
TO P1~P3, P7
V OUT
TO P2
VIDEO
FL1001 47P :CHIP
Q1001 2SC2412K BUFFER
Q1002 2SC2412K BUFFER
Q1003 2SA1037AK BUFFER
Q1004 2SA1037AK BUFFER
Q1005 2SC2412K BUFFER
Q1006 2SC2412K BUFFER
VIDEO (PAL)
VIDEO (NTSC)
IC1003 μPC659AGS A/D CONVERTER
FL1009 FB BLM32A06 :CHIP
FL1010 FB BLM32A06 :CHIP
FL1011 FB BLM32A06 :CHIP
EMI
IC1001 CXD2024AQ PAL DIGITAL COMB FILTER
Y (PAL)
C (PAL)
Y (NTSC)
C (NTSC)
COM5V
FL1017 FB BLM32A06
L1007 1.2μH :CHIP
FL1002 BLM32A06 :CHIP
FL1003 BLM32A06 :CHIP
FL1007 BK2125HM601 :CHIP
FL1008 BK2125HM601 :CHIP
D1001 1SS355
D1002 1SS355
SCL
SDA
TO P7
IC1004 μPD42280GU FIELD MEMORY
IC1005 μPD42280GU FIELD MEMORY
IC1002 μPD64860GF NTSC 3-D COMB FILTER
65
66
67
68
69
70

9-32

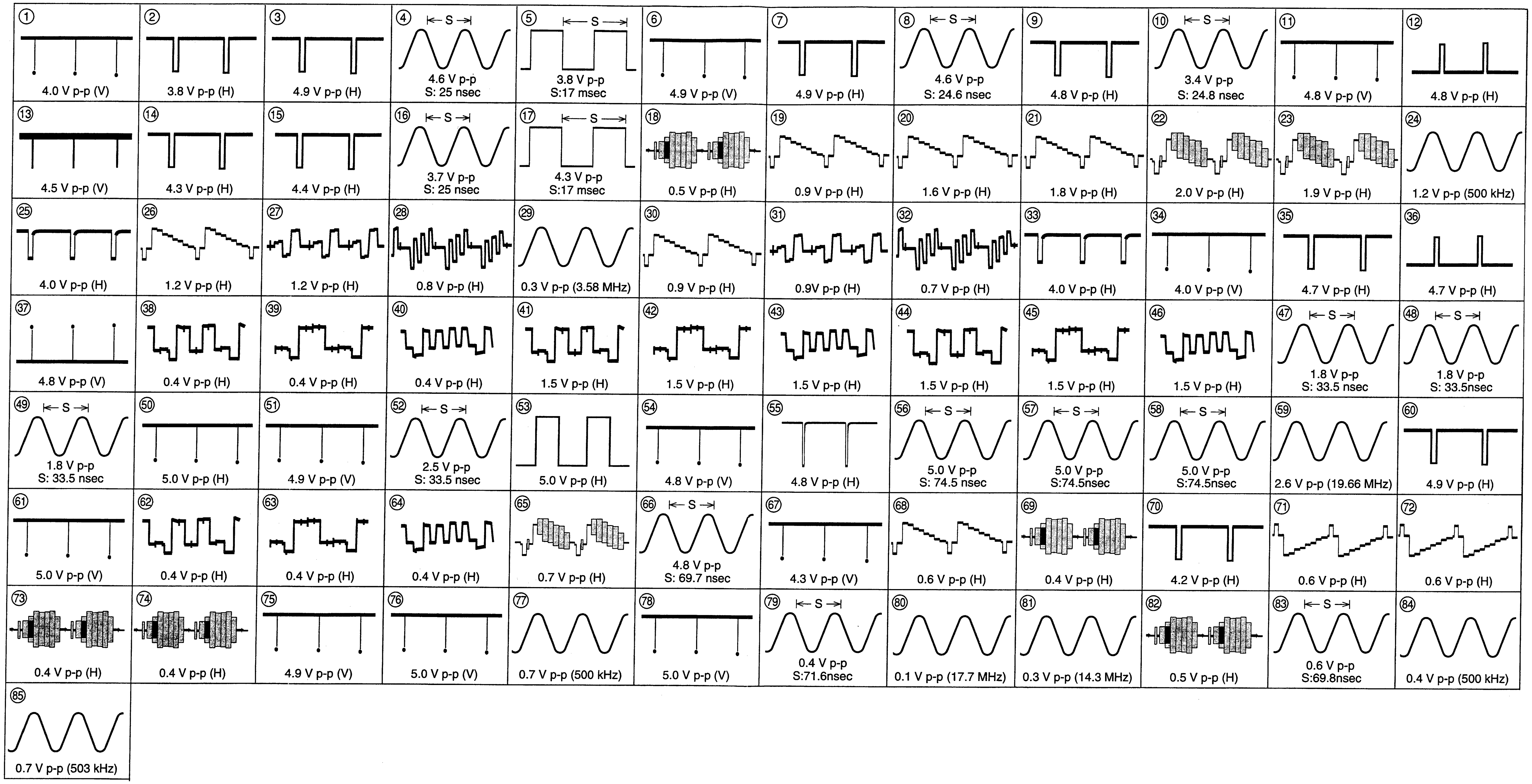
PFM-510A1WU/PFM-510A1WE


COM5V
12VA
IC1006
MM1113XFBE
Y SW
IC1007
MM1113XFBE
C SW
IC1011
CXA1211M
Y GAIN
CONTROL AMP
Q1007
2SC2412K
BUFFER
Q1008
2SC2412K
BUFFER
Q1009
2SC2412K
BUFFER
Q1010
2SC2412K
BUFFER
Q1011
2SC2412K
BUFFER
Q1012
2SC2412K
BUFFER
Q1013
2SC2412K
BUFFER
Q1014
2SC2412K
BUFFER
FL1013
FL1014
FL1015
FL1016
EMI
IC1010
TC4S69F
INVERTER
IC1012
TC7W14FU
INVERTER
IC1008
MC74HC4053F
CLOCK SW
IC1009
μPC1862GS
4FSC
CLOCK GEN
Q1015
2SC2412K
BUFFER
Q1016
2SA1037AK
BUFFER
Q1018
2SC2412K
4FSC
CLOCK BUFFER
Q1019
2SC2412K
AFC TIME
CONSTANT SW
Q1020
2SC2412K
AFC TIME
CONSTANT SW
X1001
17.7MHz
X1002
14.318MHz
X1003
500KHz
X1004
503KHz
Y (NTSC)
Y (PAL)
C (PAL)
C (NTSC)
C (PAL)
Y
C
VS MODE TO P2
VS
VSIN
TO P2, P7
B-SS9683<U/C>-B P9

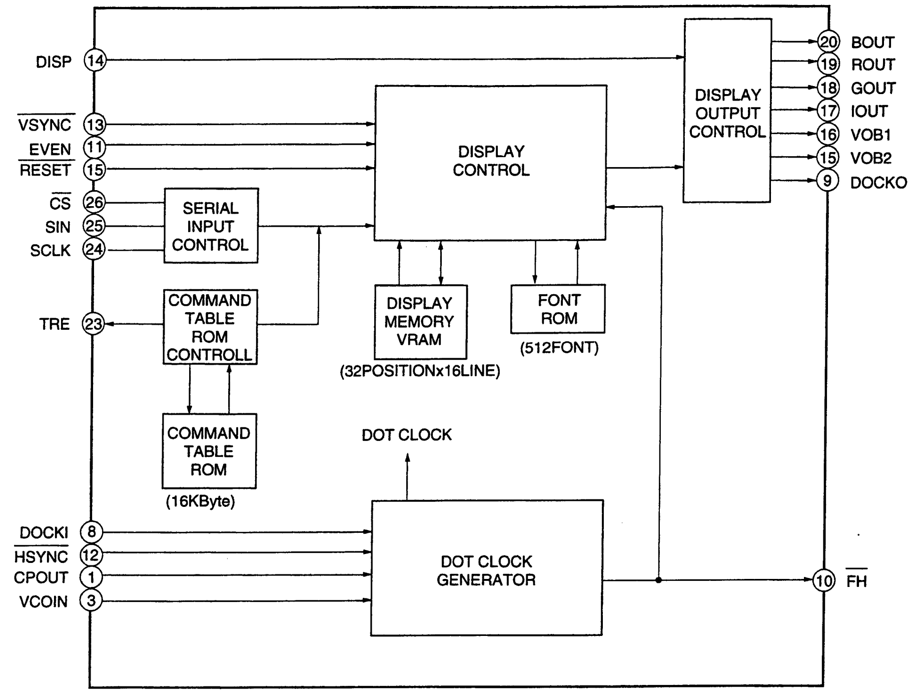
B (9/9)
(Y/C SEP)

1
2
3
4
5

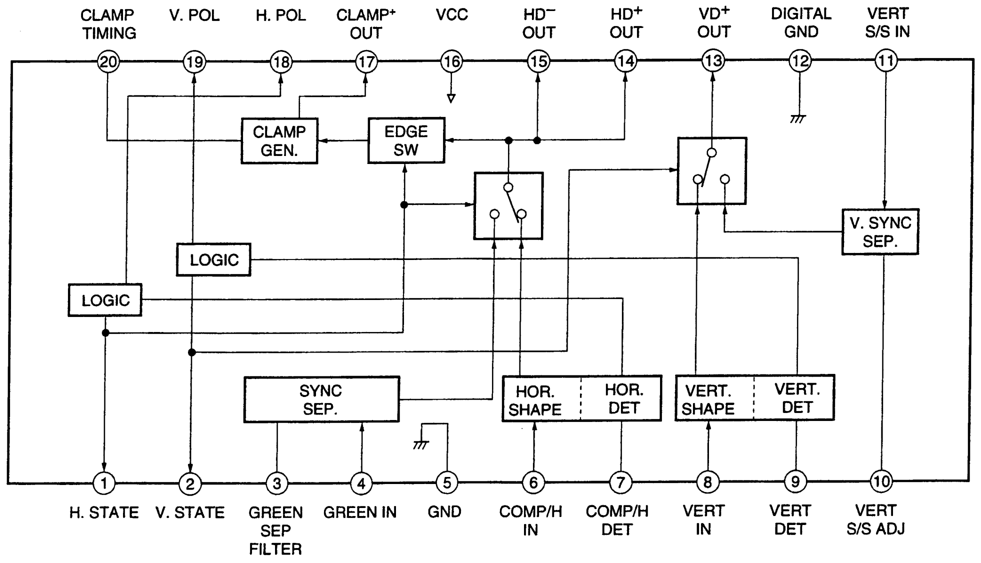
• B BOARD WAVEFORMS


① 4.0 V p-p (V)
② 3.8 V p-p (H)
③ 4.9 V p-p (H)
④ S 4.6 V p-p S: 25 nsec
⑤ S 3.8 V p-p S:17 msec
⑥ 4.9 V p-p (V)
⑦ 4.9 V p-p (H)
⑧ S 4.6 V p-p S: 24.6 nsec
⑨ 4.8 V p-p (H)
⑩ S 3.4 V p-p S: 24.8 nsec
⑪ 4.8 V p-p (V)
⑫ 4.8 V p-p (H)
⑬ 4.5 V p-p (V)
⑭ 4.3 V p-p (H)
⑮ 4.4 V p-p (H)
⑯ S 3.7 V p-p S: 25 nsec
⑰ S 4.3 V p-p S:17 msec
⑱ 0.5 V p-p (H)
⑲ 0.9 V p-p (H)
⑳ 1.6 V p-p (H)
㉑ 1.8 V p-p (H)
㉒ 2.0 V p-p (H)
㉓ 1.9 V p-p (H)
㉔ 1.2 V p-p (500 kHz)
㉕ 4.0 V p-p (H)
㉖ 1.2 V p-p (H)
㉗ 1.2 V p-p (H)
㉘ 0.8 V p-p (H)
㉙ 0.3 V p-p (3.58 MHz)
㉚ 0.9 V p-p (H)
㉛ 0.9V p-p (H)
㉜ 0.7 V p-p (H)
㉝ 4.0 V p-p (H)
㉞ 4.0 V p-p (V)
㉟ 4.7 V p-p (H)
㊱ 4.7 V p-p (H)
㊲ 4.8 V p-p (V)
㊳ 0.4 V p-p (H)
㊴ 0.4 V p-p (H)
㊵ 0.4 V p-p (H)
㊶ 1.5 V p-p (H)
㊷ 1.5 V p-p (H)
㊸ 1.5 V p-p (H)
㊹ 1.5 V p-p (H)
㊺ 1.5 V p-p (H)
㊻ 1.5 V p-p (H)
㊼ S 1.8 V p-p S: 33.5 nsec
㊽ S 1.8 V p-p S: 33.5nsec
㊾ S 1.8 V p-p S: 33.5 nsec
㊿ 5.0 V p-p (H)
(51) 4.9 V p-p (V)
(52) S 2.5 V p-p S: 33.5 nsec
(53) 5.0 V p-p (H)
(54) 4.8 V p-p (V)
(55) 4.8 V p-p (H)
(56) S 5.0 V p-p S: 74.5 nsec
(57) S 5.0 V p-p S:74.5nsec
(58) S 5.0 V p-p S:74.5nsec
(59) 2.6 V p-p (19.66 MHz)
(60) 4.9 V p-p (H)
(61) 5.0 V p-p (V)
(62) 0.4 V p-p (H)
(63) 0.4 V p-p (H)
(64) 0.4 V p-p (H)
(65) 0.7 V p-p (H)
(66) S 4.8 V p-p S: 69.7 nsec
(67) 4.3 V p-p (V)
(68) 0.6 V p-p (H)
(69) 0.4 V p-p (H)
(70) 4.2 V p-p (H)
(71) 0.6 V p-p (H)
(72) 0.6 V p-p (H)
(73) 0.4 V p-p (H)
(74) 0.4 V p-p (H)
(75) 4.9 V p-p (V)
(76) 5.0 V p-p (V)
(77) 0.7 V p-p (500 kHz)
(78) 5.0 V p-p (V)
(79) S 0.4 V p-p S:71.6nsec
(80) 0.1 V p-p (17.7 MHz)
(81) 0.3 V p-p (14.3 MHz)
(82) 0.5 V p-p (H)
(83) S 0.6 V p-p S:69.8nsec
(84) 0.4 V p-p (500 kHz)
(85) 0.7 V p-p (503 kHz)

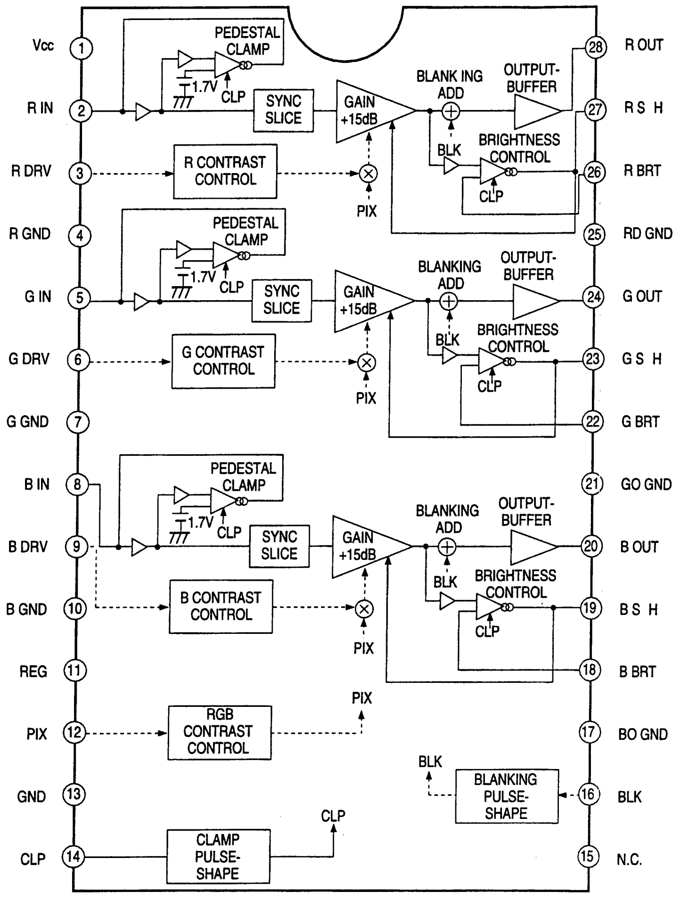
B (1/9) BOARD IC709 MB90096


DISP 14
VSYNC 13
EVEN 11
RESET 15
CS 26
SIN 25
SCLK 24
TRE 23
DOCKI 8
HSYNC 12
CPOUT 1
VCOIN 3
SERIAL INPUT CONTROL
COMMAND TABLE ROM CONTROLL
COMMAND TABLE ROM
(16KByte)
DISPLAY CONTROL
DISPLAY MEMORY VRAM
(32POSITIONx16LINE)
FONT ROM
(512FONT)
DOT CLOCK
DOT CLOCK GENERATOR
DISPLAY OUTPUT CONTROL
20 BOUT
19 ROUT
18 GOUT
17 IOUT
16 VOB1
15 VOB2
9 DOCKO
10 FH

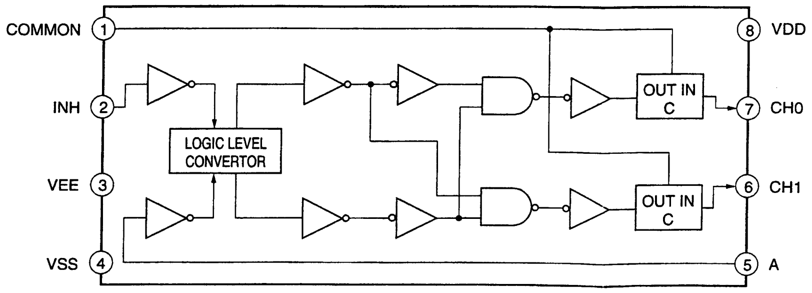
B (1/9) BOARD IC720
B (3/9) BOARD IC503
M52036SP

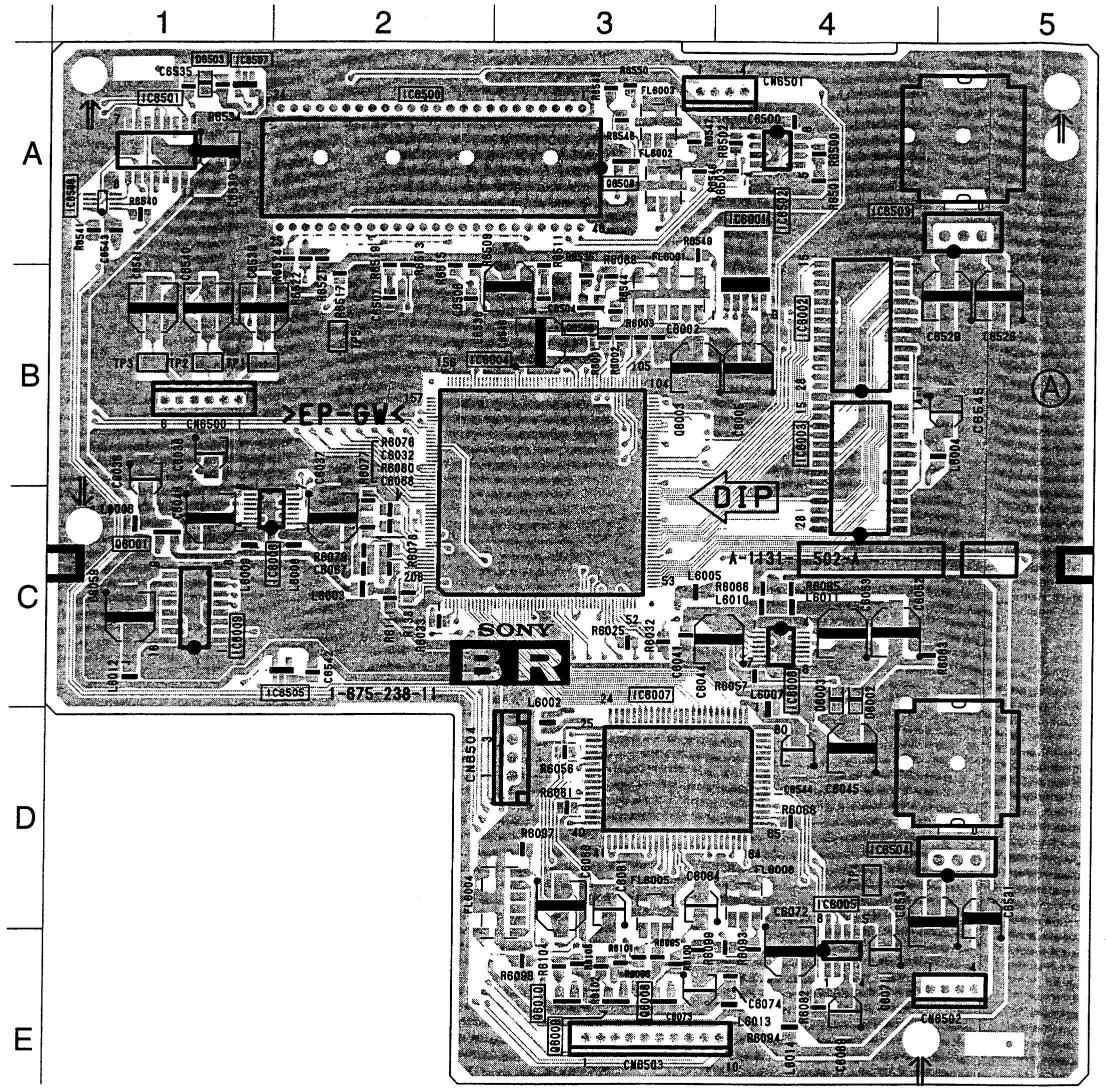

CLAMP TIMING 20
V. POL 19
H. POL 18
CLAMP+ OUT 17
VCC 16
HD− OUT 15
HD+ OUT 14
VD+ OUT 13
DIGITAL GND 12
VERT S/S IN 11
CLAMP GEN.
EDGE SW
V. SYNC SEP.
LOGIC
LOGIC
SYNC SEP.
HOR. SHAPE
HOR. DET
VERT. SHAPE
VERT. DET
1 H. STATE
2 V. STATE
3 GREEN SEP FILTER
4 GREEN IN
5 GND
6 COMP/H IN
7 COMP/H DET
8 VERT IN
9 VERT DET
10 VERT S/S ADJ

B (3/9) BOARD IC505 CXA1779P

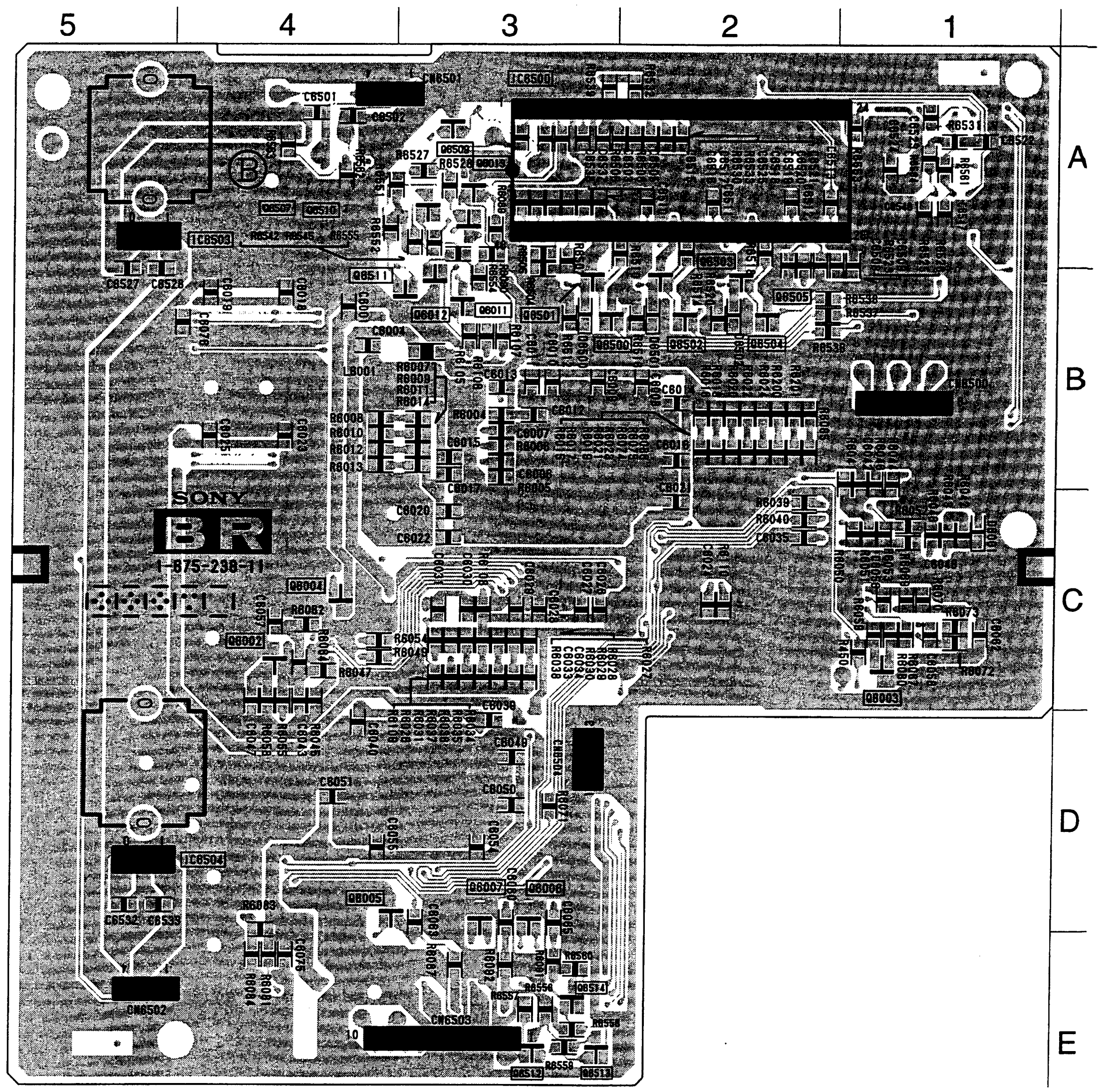

Vcc 1
R IN 2
R DRV 3
R GND 4
G IN 5
G DRV 6
G GND 7
B IN 8
B DRV 9
B GND 10
REG 11
PIX 12
GND 13
CLP 14
PEDESTAL CLAMP
1.7V
CLP
SYNC SLICE
GAIN +15dB
R CONTRAST CONTROL
G CONTRAST CONTROL
B CONTRAST CONTROL
RGB CONTRAST CONTROL
CLAMP PULSE-SHAPE
PIX
BLANKING ADD
OUTPUT-BUFFER
BLK
BRIGHTNESS CONTROL
BLANKING PULSE-SHAPE
28 R OUT
27 R S H
26 R BRT
25 RD GND
24 G OUT
23 G S H
22 G BRT
21 GO GND
20 B OUT
19 B S H
18 B BRT
17 BO GND
16 BLK
15 N.C.

B (2/9) BOARD IC306, IC330, IC331
B (3/9) BOARD IC521, IC526, IC528
TC4W53F


COMMON 1
INH 2
VEE 3
VSS 4
LOGIC LEVEL CONVERTOR
OUT IN C
OUT IN C
8 VDD
7 CH0
6 CH1
5 A


1
2
3
4
5
A
B
C
D
E
>EP-GV<
DIP
A-1131-502-A
SONY
BR
1-875-238-11
CN6500
CN6501
CN6502
CN6503
CN6504
IC6001
IC6002
IC6003
IC6004
IC6005
IC6006
IC6007
IC6008
IC6501
IC6502
IC6505
IC6506
IC6507
TP1
TP2
TP3

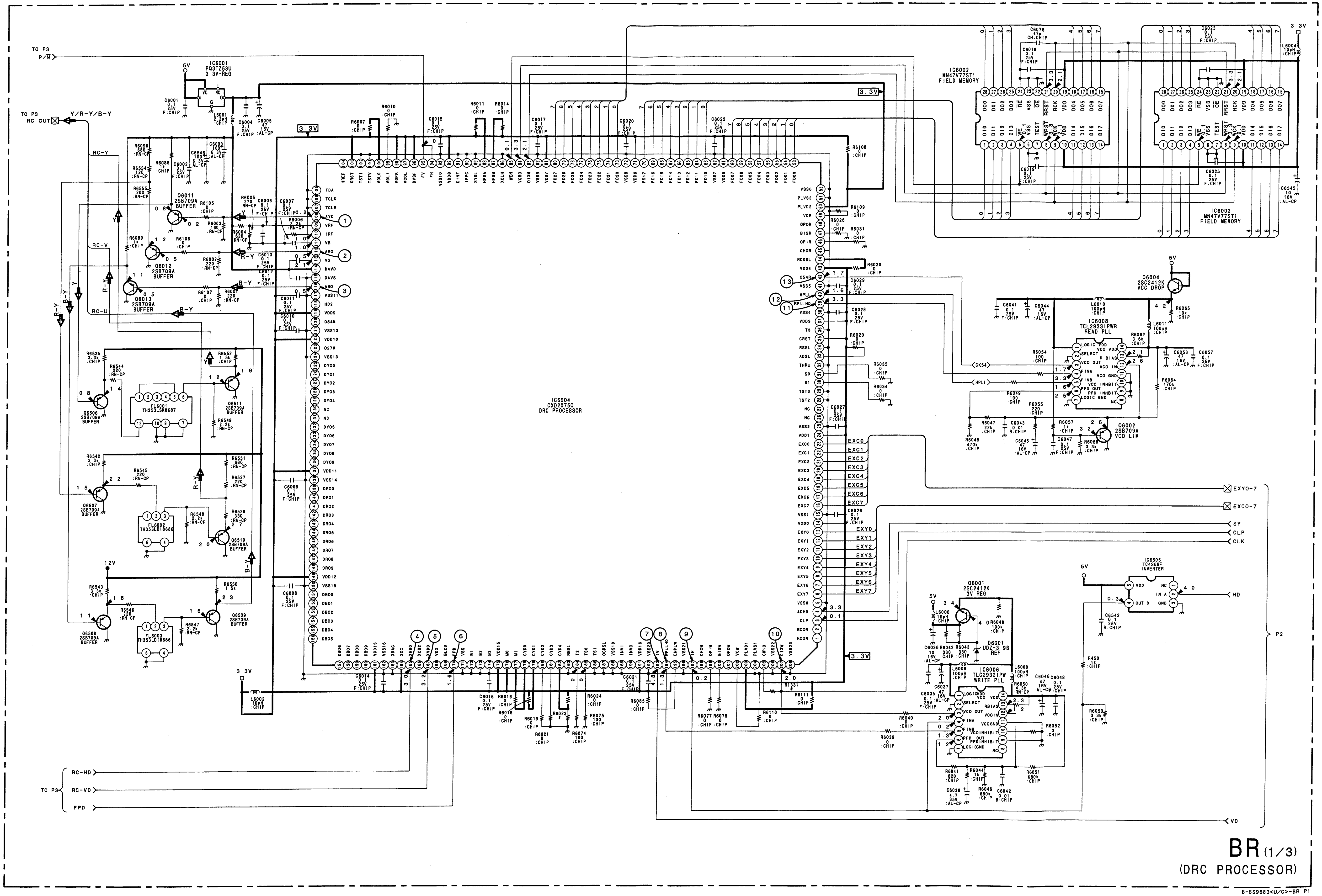
BR - A SIDE -
SUFFIX: -11


5
4
3
2
1
A
B
C
D
E
SONY
BR
1-875-238-11
IC6500
IC6503
IC6504
CN6501
CN6502
CN6503

BR - B SIDE -
SUFFIX: -11

BR BOARD
*: B SIDE

D6001	*C-1
D6500	*B-3
D6501	*B-2
D6502	*B-2
D6503	C-4
IC6001	B-4
IC6002	B-4
IC6003	B-4
IC6004	B-3
IC6005	E-4
IC6006	A-1
IC6007	D-3
IC6008	C-4
IC6500	*A-2
IC6501	A-1
IC6502	A-4
IC6503	*A-5
IC6504	*D-5
IC6505	C-2
IC6506	A-1
IC6507	A-1
Q6001	C-1
Q6002	*C-4
Q6004	*C-4
Q6005	*D-4
Q6006	*D-3
Q6007	*D-3
Q6008	E-3
Q6009	E-3
Q6010	E-3
Q6011	*B-3
Q6012	*B-3
Q6013	*A-3
Q6500	*B-3
Q6501	*B-3
Q6503	*A-2
Q6504	*B-2
Q6505	*B-2
Q6506	C-2
Q6507	*A-3
Q6508	B-3
Q6509	*A-3
Q6510	*A-3
Q6511	*B-3
Q6512	*E-3
Q6513	*E-3
Q6514	*E-3
TP1	B-1
TP2	B-1
TP3	B-1
TP4	D-4
TP5	B-2


TO P3 P/N
TO P3 RC OUT Y/R-Y/B-Y
IC6001 PQ3TZ53U 3.3V-REG
Q6011 2SB709A BUFFER
Q6012 2SB709A BUFFER
Q6013 2SB709A BUFFER
Q6506 2SB709A BUFFER
Q6511 2SB709A BUFFER
Q6507 2SB709A BUFFER
Q6510 2SB709A BUFFER
Q6508 2SB709A BUFFER
Q6509 2SB709A BUFFER
FL6001 TH353LSK8687
FL6002 TH353LD18686
FL6003 TH353LD18686
IC6004 CXD2075Q DRC PROCESSOR
IC6002 MN47V77ST1 FIELD MEMORY
IC6003 MN47V77ST1 FIELD MEMORY
Q6004 2SC2412K VCC DROP
IC6008 TCL2933IPWR READ PLL
Q6002 2SB709A VCO LIM
Q6001 2SC2412K 3V REG
D6001 UDZ-3.9B REF
IC6006 TLC2932IPW WRITE PLL
IC6505 TC4S69F INVERTER
EXY0-7
EXC0-7
SY
CLP
CLK
HD
VD
P2
TO P3 RC-HD
RC-VD
FPD
BR (1/3)
(DRC PROCESSOR)
B-SS9683<U/C>-BR P1

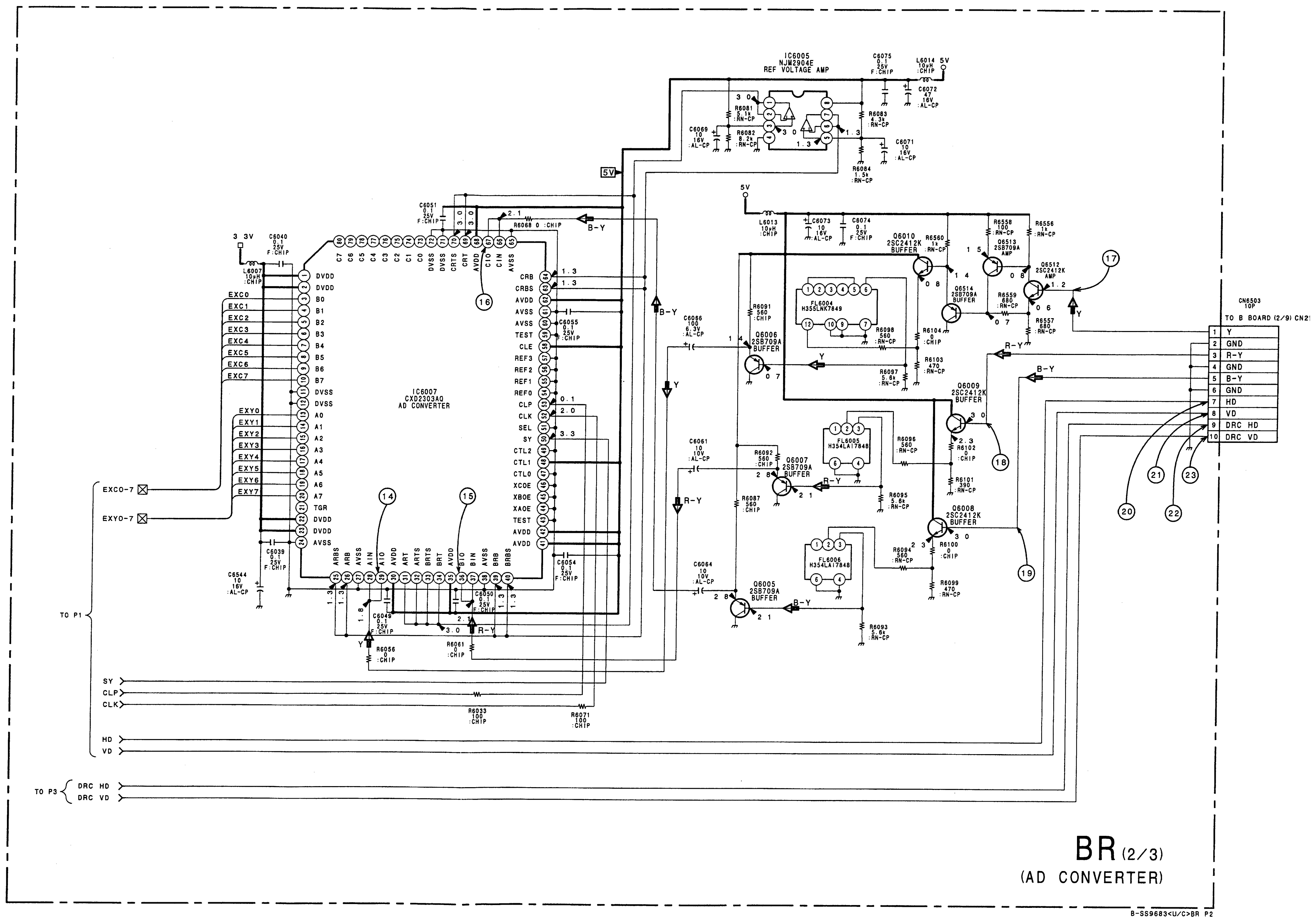
1

2

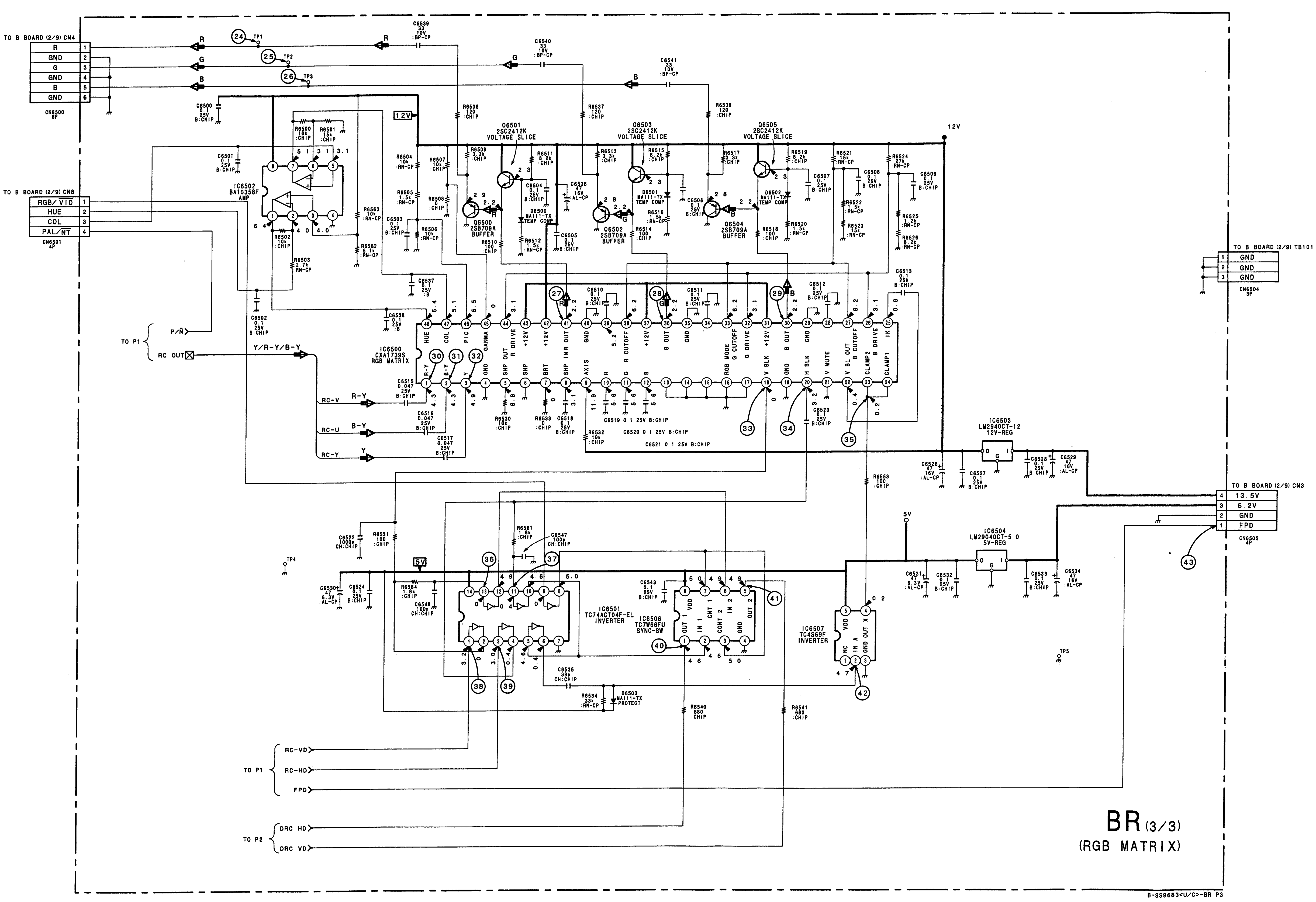
3

4

5


BR (2/3)
(AD CONVERTER)
IC6005
NJM2904E
REF VOLTAGE AMP
C6075 0.1 25V F:CHIP
L6014 10µH :CHIP
5V
C6072 47 16V :AL-CP
R6081 5.1k :RN-CP
R6082 8.2k :RN-CP
C6069 10 16V :AL-CP
R6083 4.3k :RN-CP
C6071 10 16V :AL-CP
R6084 1.5k :RN-CP
3.0
1.3
5V
L6013 10µH :CHIP
C6073 10 16V :AL-CP
C6074 0.1 25V F:CHIP
Q6010 2SC2412K BUFFER
R6560 1k :RN-CP
R6558 100 :RN-CP
R6556 1k :RN-CP
Q6513 2SB709A AMP
Q6512 2SC2412K AMP
Q6514 2SB709A BUFFER
R6559 680 :RN-CP
R6557 680 :RN-CP
FL6004 H355LNK7849
R6091 560 :CHIP
C6066 100 6.3V :AL-CP
Q6006 2SB709A BUFFER
R6098 560 :RN-CP
R6104 0 :CHIP
R6103 470 :RN-CP
R6097 5.6k :RN-CP
Q6009 2SC2412K BUFFER
R6102 0 :CHIP
R6101 390 :RN-CP
R6096 560 :RN-CP
FL6005 H354LAI7848
C6061 10 10V :AL-CP
R6092 560 :CHIP
Q6007 2SB709A BUFFER
R6095 5.6k :RN-CP
R6087 560 :CHIP
Q6008 2SC2412K BUFFER
R6094 560 :RN-CP
R6100 0 :CHIP
R6099 470 :RN-CP
FL6006 H354LAI7848
C6064 10 10V :AL-CP
Q6005 2SB709A BUFFER
R6093 5.6k :RN-CP
CN6503 10P
TO B BOARD (2/9) CN21
1 Y
2 GND
3 R-Y
4 GND
5 B-Y
6 GND
7 HD
8 VD
9 DRC HD
10 DRC VD
Y
R-Y
B-Y
IC6007
CXD2303AQ
AD CONVERTER
3.3V
C6040 0.1 25V F:CHIP
L6007 10µH :CHIP
C6051 0.1 25V F:CHIP
R6068 0 :CHIP
C6055 0.1 25V F:CHIP
C6054 0.1 25V F:CHIP
C6039 0.1 25V F:CHIP
C6544 10 16V :AL-CP
C6049 0.1 25V F:CHIP
C6050 0.1 25V F:CHIP
R6056 0 :CHIP
R6061 0 :CHIP
DVDD DVDD B0 B1 B2 B3 B4 B5 B6 B7 DVSS DVSS A0 A1 A2 A3 A4 A5 A6 A7 TGR DVDD DVDD AVSS
ARBS ARB AVSS AIN AIO AVDD ART ARTS BRTS BRT AVDD BIO BIN AVSS BRB BRBS
AVDD AVDD TEST XAOE XBOE XCOE CTL0 CTL1 CTL2 SY SEL CLK CLP REF0 REF1 REF2 REF3 CLE TEST AVSS AVSS AVDD CRBS CRB
AVSS CIN CIO AVDD CRT CRTS DVSS DVSS C0 C1 C2 C3 C4 C5 C6 C7
EXC0 EXC1 EXC2 EXC3 EXC4 EXC5 EXC6 EXC7
EXY0 EXY1 EXY2 EXY3 EXY4 EXY5 EXY6 EXY7
EXC0-7
EXY0-7
TO P1
SY
CLP
CLK
HD
VD
TO P3
DRC HD
DRC VD
R6033 100 :CHIP
R6071 100 :CHIP
(14) (15) (16) (17) (18) (19) (20) (21) (22) (23)
B-SS9683<U/C>BR P2

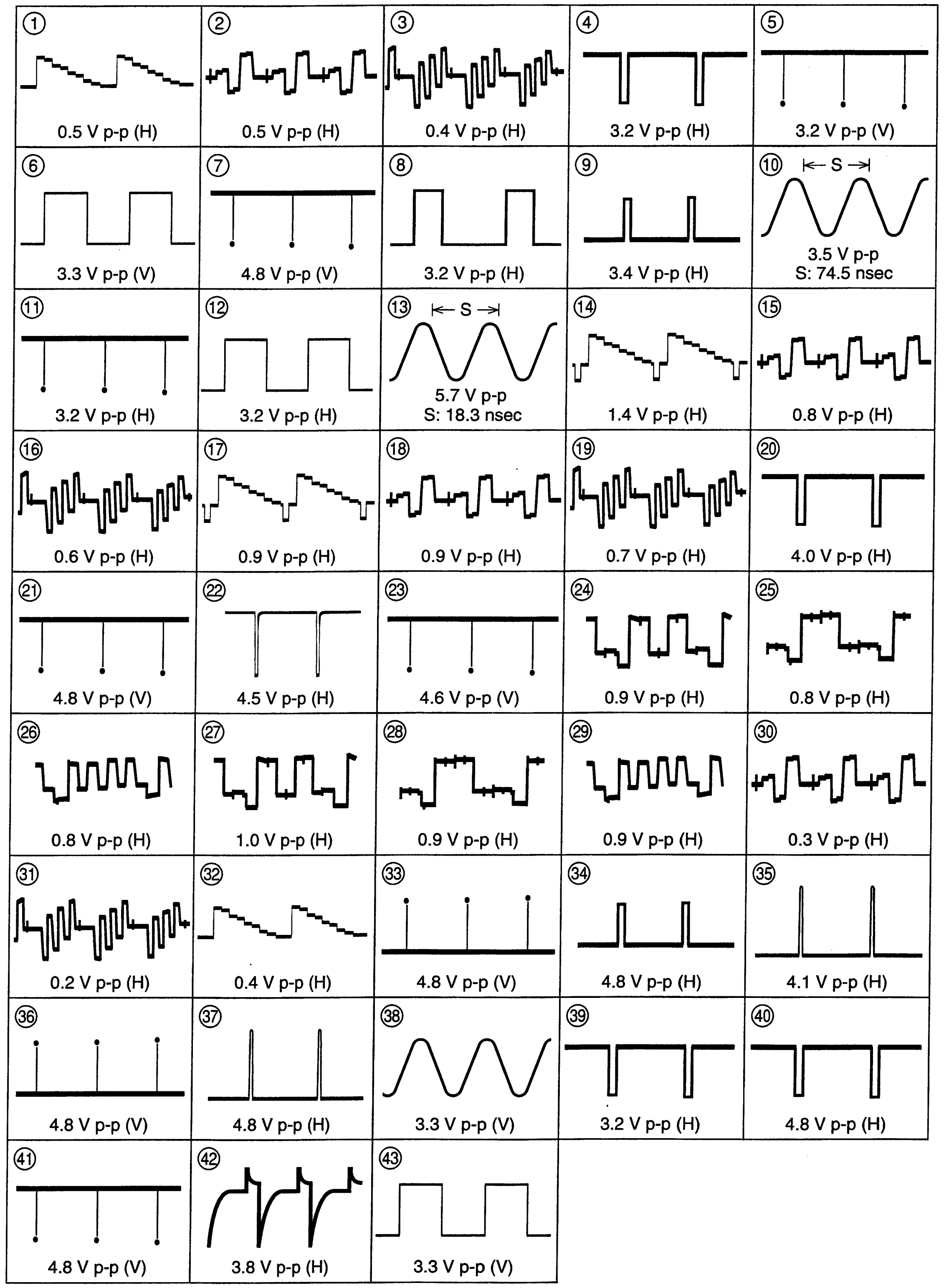
A | B | C | D | E | F | G | H

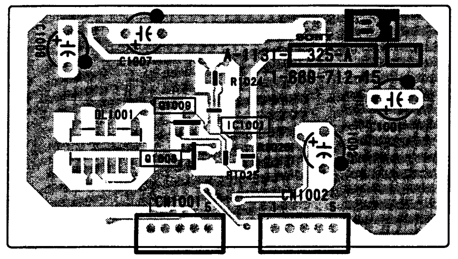

TO B BOARD (2/9) CN4
R
GND
G
GND
B
GND
CN6500 6P
TO B BOARD (2/9) CN8
RGB/VID
HUE
COL
PAL/NT
CN6501 4P
TO P1
P/N
RC OUT
Y/R-Y/B-Y
RC-V
RC-U
RC-Y
R-Y
B-Y
Y
TP1
TP2
TP3
TP4
TP5
12V
5V
IC6502 BA10358F AMP
Q6501 2SC2412K VOLTAGE SLICE
Q6503 2SC2412K VOLTAGE SLICE
Q6505 2SC2412K VOLTAGE SLICE
Q6500 2SB709A BUFFER
Q6502 2SB709A BUFFER
Q6504 2SB709A BUFFER
D6500 MA111-TX TEMP COMP
D6501 MA111-TX TEMP COMP
D6502 MA111-TX TEMP COMP
IC6500 CXA1739S RGB MATRIX
HUE
COL
PIC
GAMMA
R DRIVE
+12V
R OUT
SHP INR OUT
GND
R CUTOFF
G OUT
RGB MODE
G CUTOFF
G DRIVE
B OUT
V BL OUT
B CUTOFF
B DRIVE
IK
R-Y
B-Y
Y
SHP OUT
SHP
BRT
AXIS
R
G
B
V BLK
H BLK
V MUTE
CLAMP2
CLAMP1
IC6503 LM2940CT-12 12V-REG
IC6504 LM2940CT-5 0 5V-REG
TO B BOARD (2/9) TB101
GND
GND
GND
CN6504 3P
TO B BOARD (2/9) CN3
13.5V
6.2V
GND
FPD
CN6502 4P
IC6501 TC74ACT04F-EL INVERTER
IC6506 TC7W66FU SYNC-SW
IC6507 TC4S69F INVERTER
D6503 MA111-TX PROTECT
TO P1
RC-VD
RC-HD
FPD
TO P2
DRC HD
DRC VD
BR (3/3)
(RGB MATRIX)
B-SS9683<U/C>-BR.P3

1
2
3
4
5

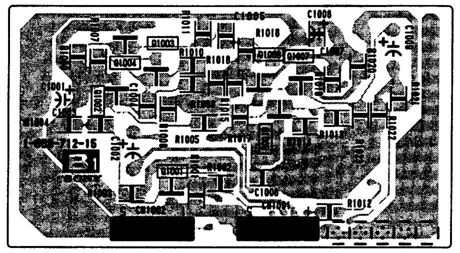
A | B | C | D | E | F | G | H

• BR BOARD WAVEFORMS

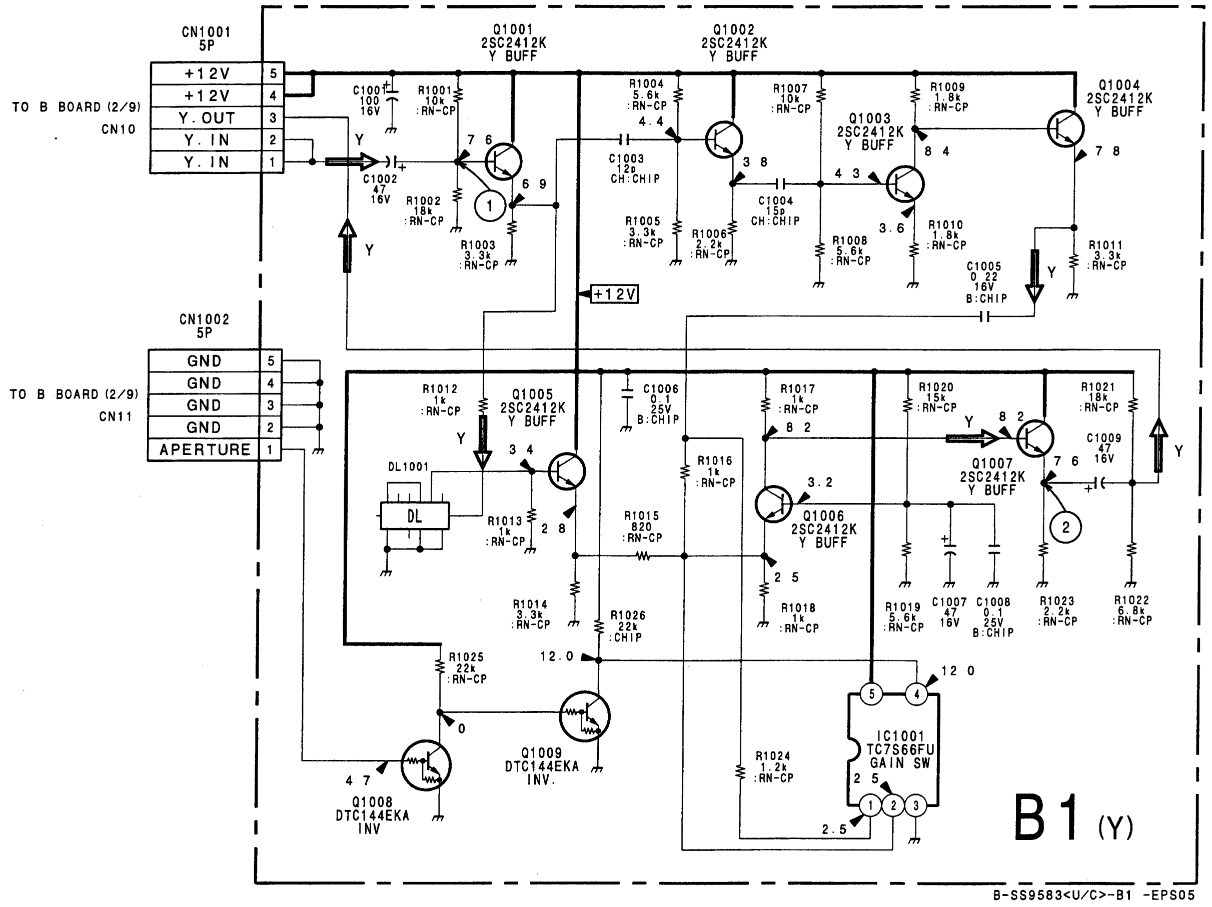




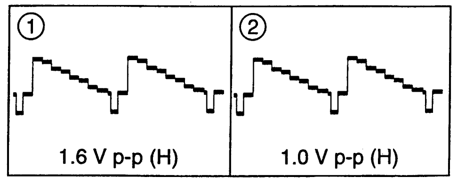
B1 - A SIDE -
SUFFIX: -15

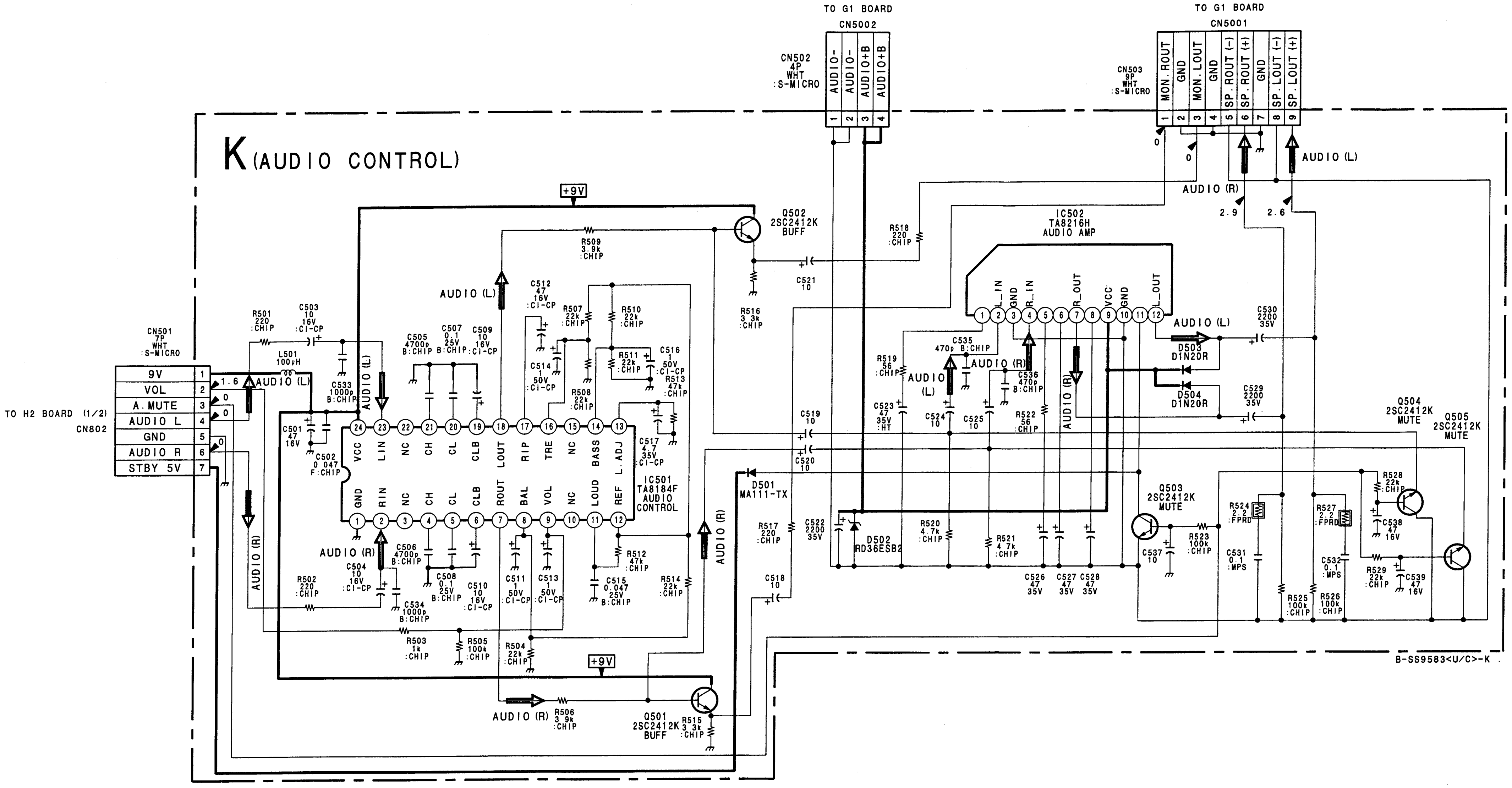


B1 - B SIDE -
SUFFIX: -15

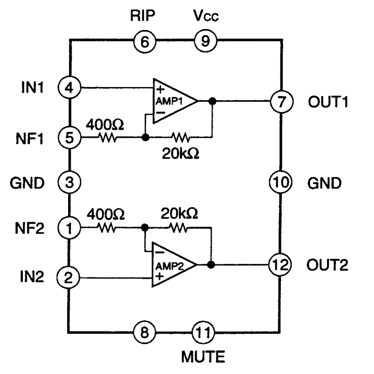

CN1001
5P
+12V 5
+12V 4
Y. OUT 3
Y. IN 2
Y. IN 1
TO B BOARD (2/9)
CN10
Q1001
2SC2412K
Y BUFF
C1001 100 16V
R1001 10k :RN-CP
C1002 47 16V
R1002 18k :RN-CP
R1003 3.3k :RN-CP
7 6
6 9
Q1002
2SC2412K
Y BUFF
R1004 5.6k :RN-CP
4.4
C1003 12p CH:CHIP
R1005 3.3k :RN-CP
R1006 2.2k :RN-CP
3 8
C1004 15p CH:CHIP
R1007 10k :RN-CP
Q1003
2SC2412K
Y BUFF
4 3
R1008 5.6k :RN-CP
R1009 1.8k :RN-CP
8 4
3.6
R1010 1.8k :RN-CP
Q1004
2SC2412K
Y BUFF
7 8
R1011 3.3k :RN-CP
C1005 0 22 16V B:CHIP
+12V
Y
CN1002
5P
GND 5
GND 4
GND 3
GND 2
APERTURE 1
TO B BOARD (2/9)
CN11
R1012 1k :RN-CP
Q1005
2SC2412K
Y BUFF
3 4
DL1001
DL
R1013 1k :RN-CP
2 8
C1006 0.1 25V B:CHIP
R1014 3.3k :RN-CP
R1015 820 :RN-CP
R1016 1k :RN-CP
R1017 1k :RN-CP
8 2
Q1006
2SC2412K
Y BUFF
3.2
2 5
R1018 1k :RN-CP
R1026 22k :CHIP
12.0
R1025 22k :RN-CP
0
Q1008
DTC144EKA
INV
4 7
Q1009
DTC144EKA
INV.
R1020 15k :RN-CP
R1019 5.6k :RN-CP
C1007 47 16V
C1008 0.1 25V B:CHIP
Q1007
2SC2412K
Y BUFF
7 6
R1021 18k :RN-CP
C1009 47 16V
R1023 2.2k :RN-CP
R1022 6.8k :RN-CP
R1024 1.2k :RN-CP
IC1001
TC7S66FU
GAIN SW
12 0
2 5
2.5
B1 (Y)
B-SS9583<U/C>-B1 -EPS05

• B1 BOARD WAVEFORMS

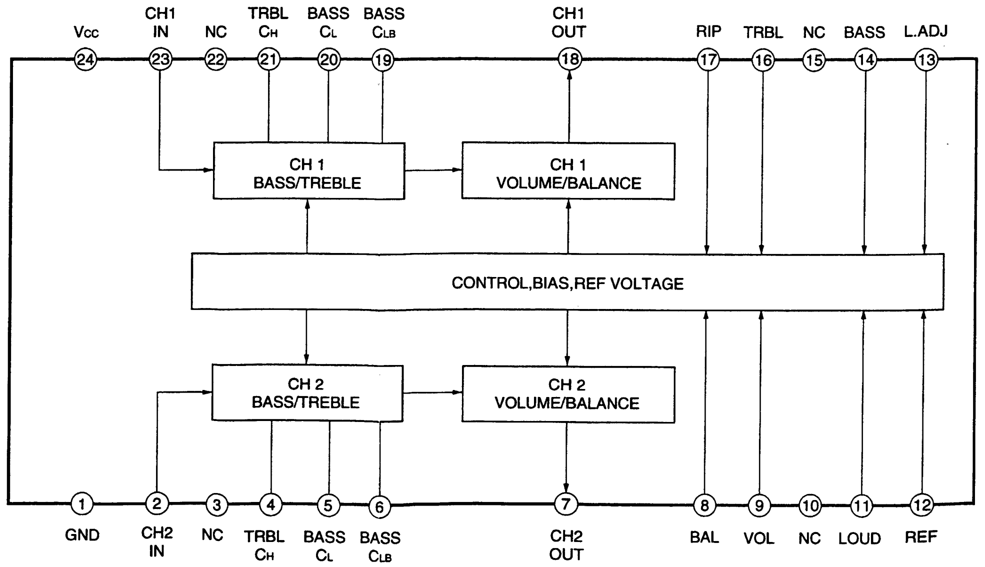


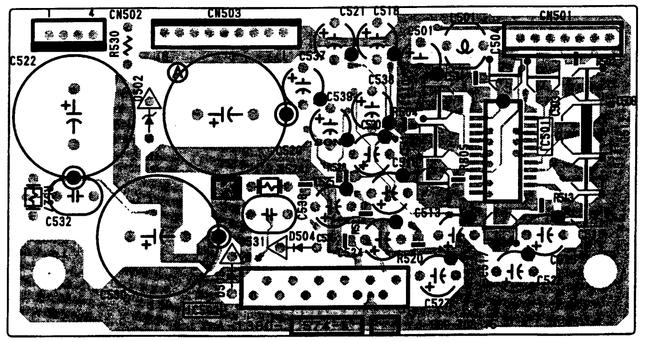

K(AUDIO CONTROL)
TO G1 BOARD
CN5002
CN502 4P WHT :S-MICRO
AUDIO-
AUDIO-
AUDIO+B
AUDIO+B
TO G1 BOARD
CN5001
CN503 9P WHT :S-MICRO
MON. ROUT
GND
MON. LOUT
GND
SP. ROUT (-)
SP. ROUT (+)
GND
SP. LOUT (-)
SP. LOUT (+)
AUDIO (L)
AUDIO (R)
2.9
2.6
TO H2 BOARD (1/2) CN802
CN501 7P WHT :S-MICRO
9V
VOL
A. MUTE
AUDIO L
GND
AUDIO R
STBY 5V
+9V
Q502 2SC2412K BUFF
Q501 2SC2412K BUFF
IC501 TA8184F AUDIO CONTROL
IC502 TA8216H AUDIO AMP
Q503 2SC2412K MUTE
Q504 2SC2412K MUTE
Q505 2SC2412K MUTE
D501 MA111-TX
D502 RD36ESB2
D503 D1N20R
D504 D1N20R
L501 100µH
VCC LIN NC CH CL CLB LOUT RIP TRE NC BASS L.ADJ
GND RIN NC CH CL CLB ROUT BAL VOL NC LOUD REF
R_IN GND L_IN R_OUT VCC GND L_OUT
B-SS9583<U/C>-K

K BOARD IC502 TA8216H


RIP
Vcc
IN1
NF1
GND
NF2
IN2
AMP1
AMP2
400Ω
20kΩ
400Ω
20kΩ
OUT1
GND
OUT2
MUTE

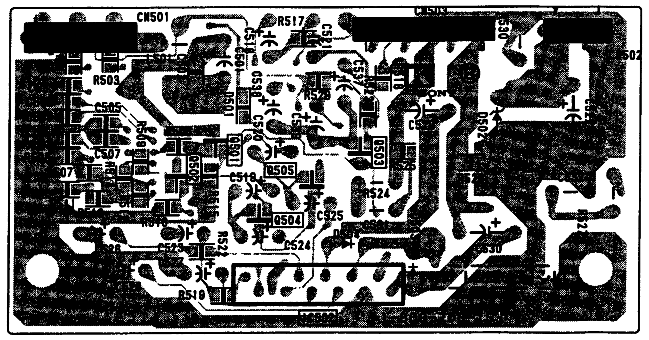
K BOARD IC501 TA8184F


Vcc
CH1 IN
NC
TRBL CH
BASS CL
BASS CLB
CH1 OUT
RIP
TRBL
NC
BASS
L.ADJ
CH 1 BASS/TREBLE
CH 1 VOLUME/BALANCE
CONTROL,BIAS,REF VOLTAGE
CH 2 BASS/TREBLE
CH 2 VOLUME/BALANCE
GND
CH2 IN
NC
TRBL CH
BASS CL
BASS CLB
CH2 OUT
BAL
VOL
NC
LOUD
REF


CN502
CN503
CN501
C522
C532
D504

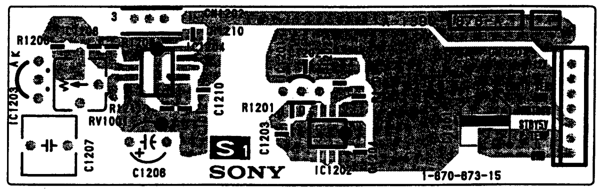
K - A SIDE -

SUFFIX: -15

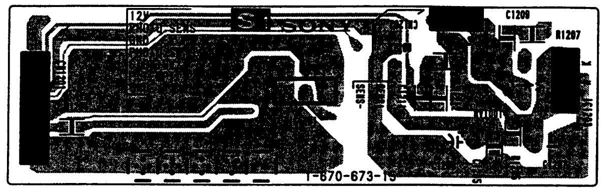

CN501
R517
R503
Q505
Q504

K - B SIDE -

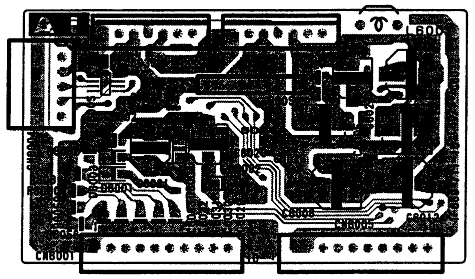
SUFFIX: -15


R1206
R1210
C1210
R1201
C1203
C1207
C1208
RV1001
C1202
SONY
S1
1-670-673-15

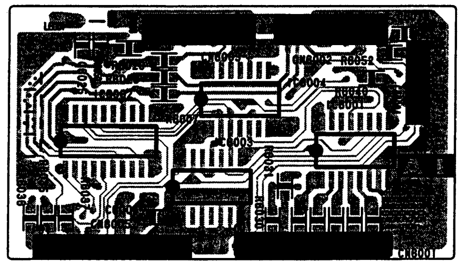
S1 - A SIDE -
SUFFIX: -15


12V
S1 SONY
C1209
R1207
1-670-673-15

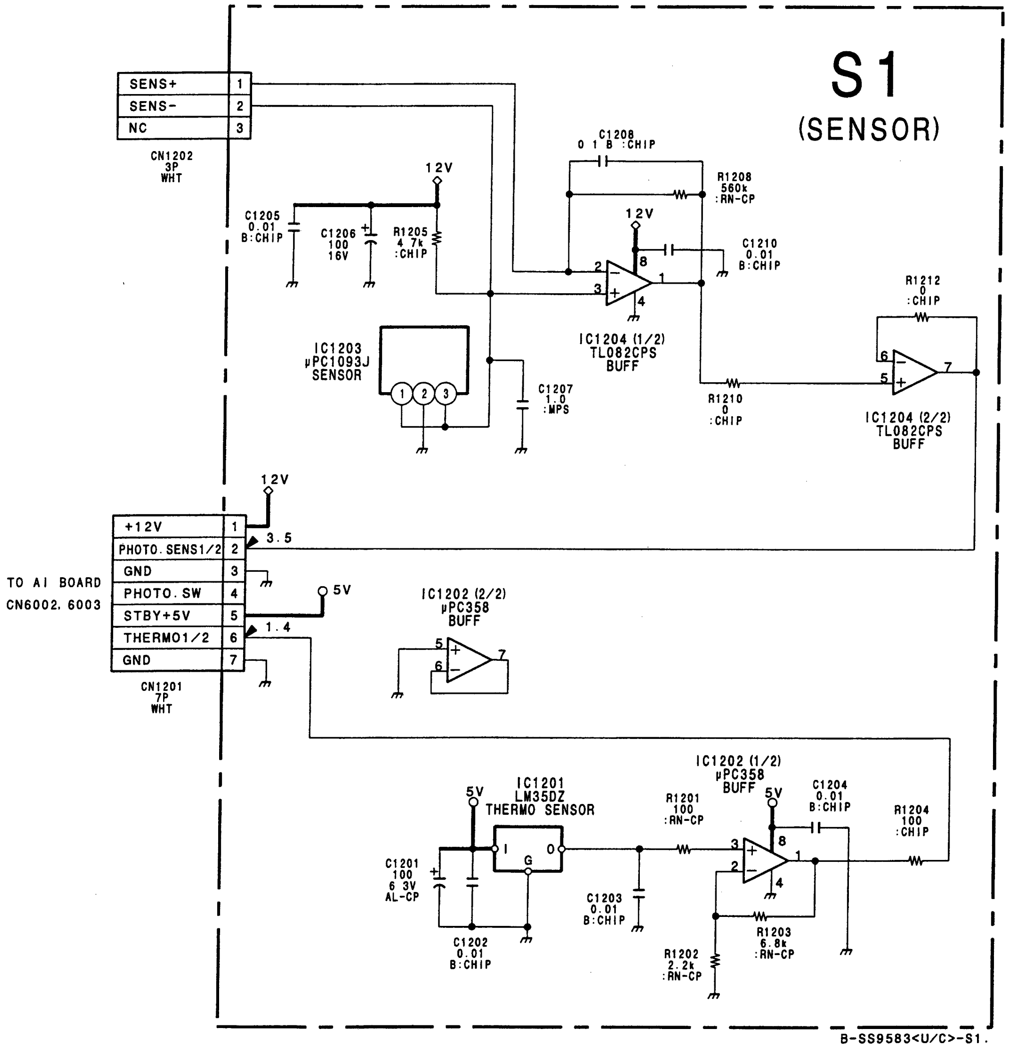
S1 - B SIDE -
SUFFIX: -15


CN6001
CN6002
CN6003

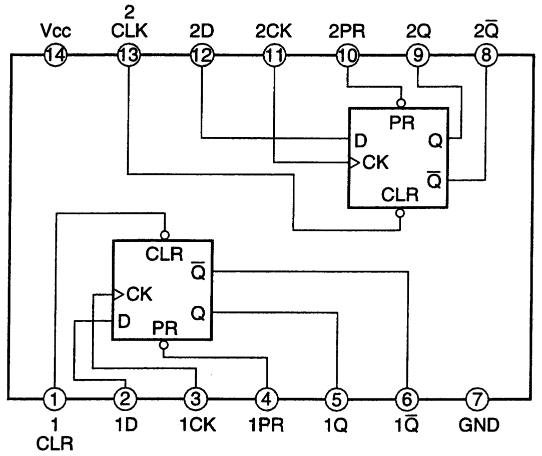
AI - A SIDE -
SUFFIX: -15



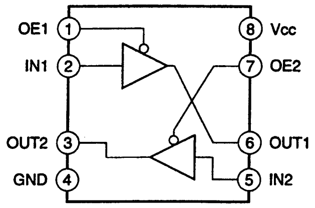
AI - B SIDE -
SUFFIX: -15

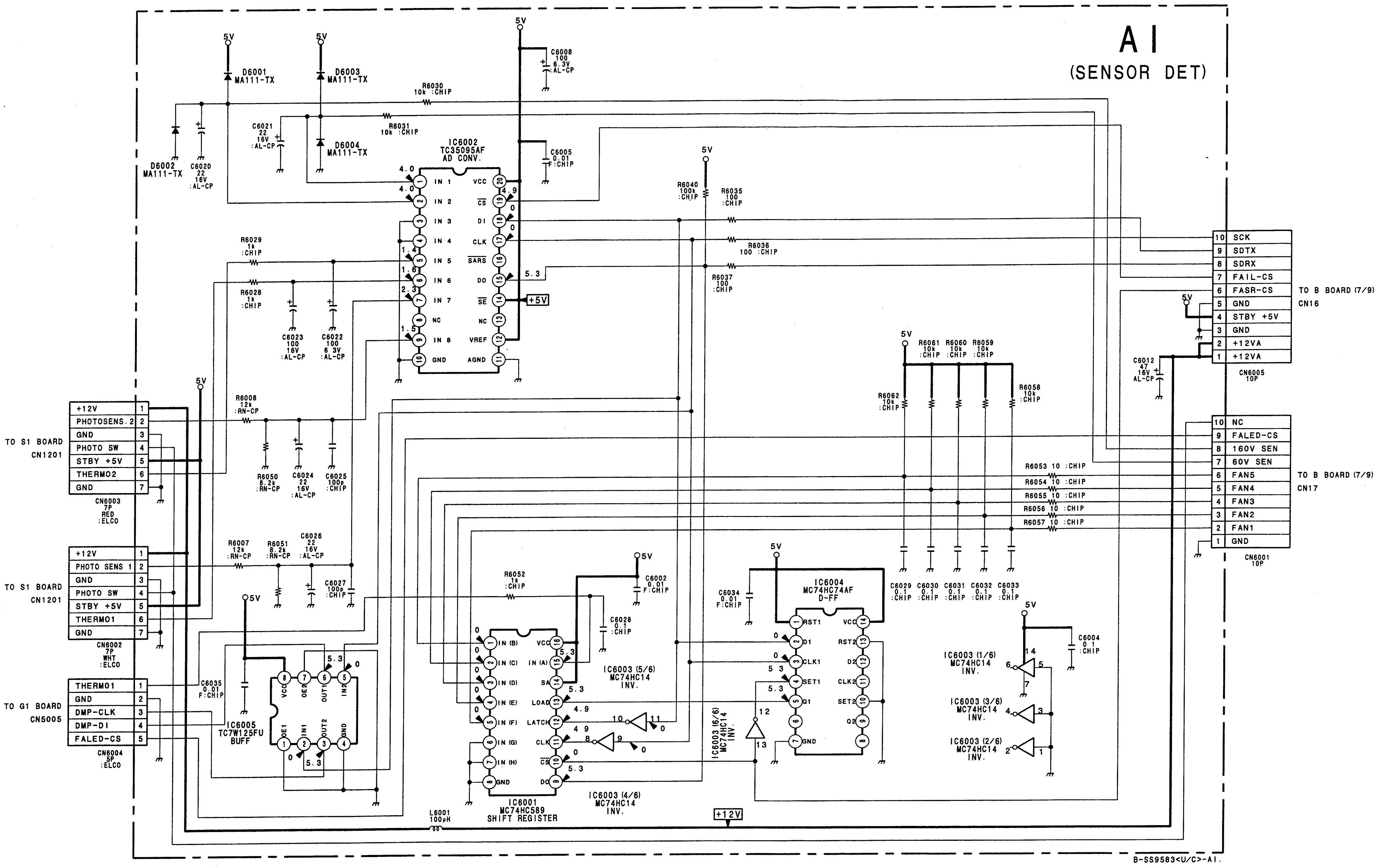

S1
(SENSOR)
SENS+
SENS-
NC
CN1202
3P
WHT
C1208
0.1 B:CHIP
R1208
560k
:RN-CP
12V
C1205
0.01
B:CHIP
C1206
100
16V
R1205
4.7k
:CHIP
C1210
0.01
B:CHIP
IC1204 (1/2)
TL082CPS
BUFF
R1212
0
:CHIP
IC1203
μPC1093J
SENSOR
C1207
1.0
:MPS
R1210
0
:CHIP
IC1204 (2/2)
TL082CPS
BUFF
+12V
PHOTO.SENS1/2
GND
PHOTO.SW
STBY+5V
THERMO1/2
GND
TO AI BOARD
CN6002, 6003
3.5
5V
1.4
CN1201
7P
WHT
IC1202 (2/2)
μPC358
BUFF
IC1202 (1/2)
μPC358
BUFF
IC1201
LM35DZ
THERMO SENSOR
C1201
100
6.3V
AL-CP
C1202
0.01
B:CHIP
R1201
100
:RN-CP
C1203
0.01
B:CHIP
R1202
2.2k
:RN-CP
R1203
6.8k
:RN-CP
C1204
0.01
B:CHIP
R1204
100
:CHIP
B-SS9583<U/C>-S1.

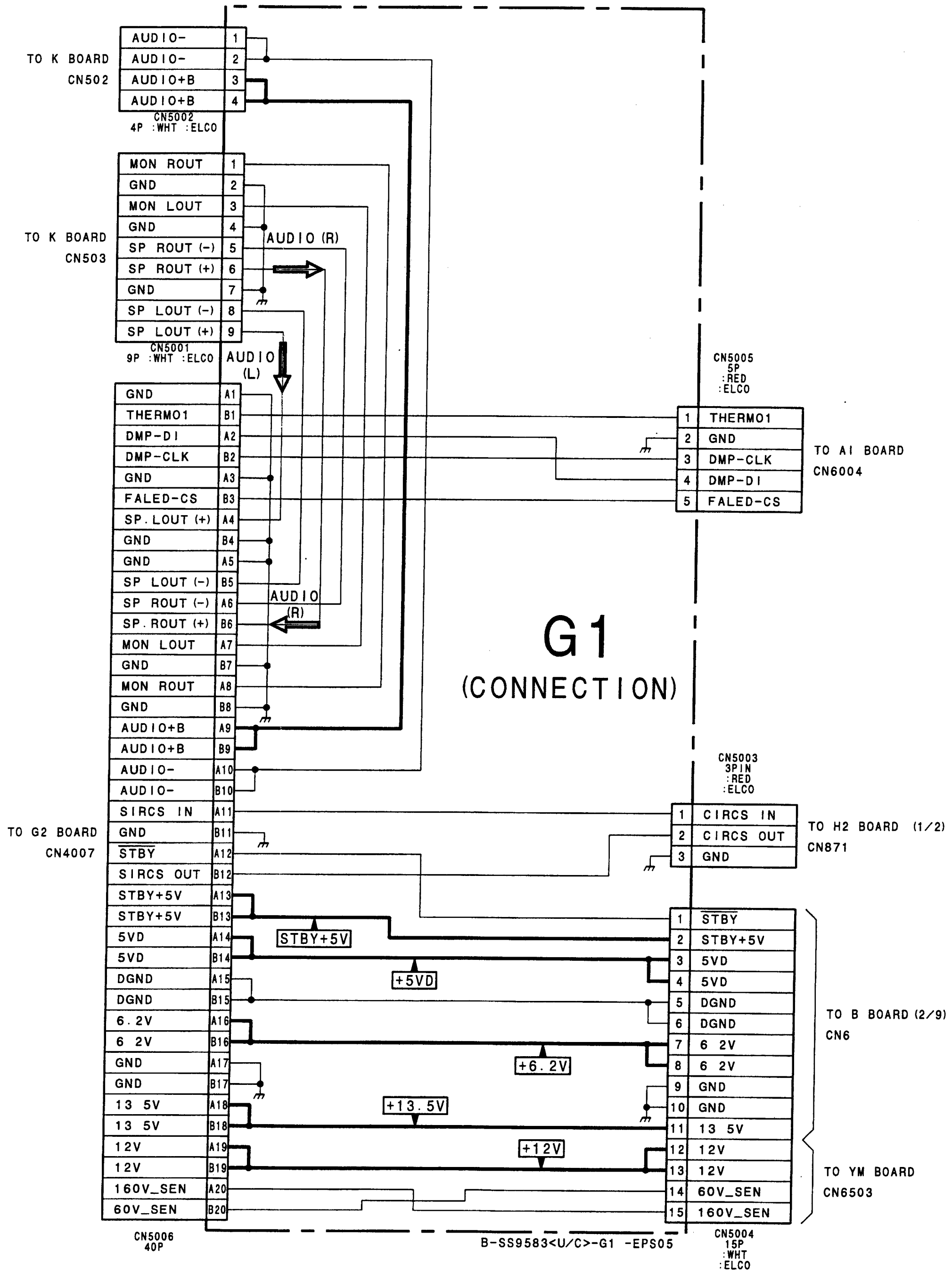
AI BOARD IC6004 MC74HC74AF

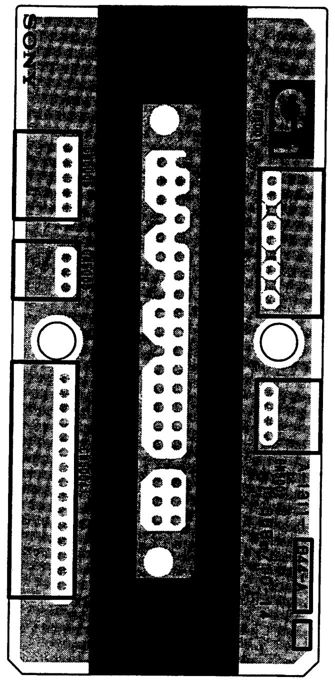

Vcc
2 CLK
2D
2CK
2PR
2Q
2Q̄
14
13
12
11
10
9
8
PR
D
Q
CK
Q̄
CLR
CLR
Q̄
CK
D
PR
Q
1
2
3
4
5
6
7
1 CLR
1D
1CK
1PR
1Q
1Q̄
GND

AI BOARD IC6005 TC7W125FU

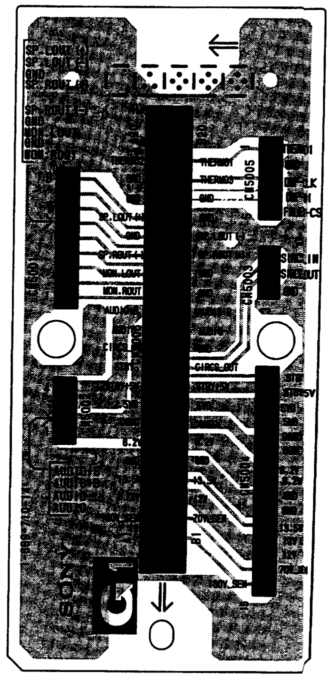

OE1
IN1
OUT2
GND
1
2
3
4
8
7
6
5
Vcc
OE2
OUT1
IN2


AI
(SENSOR DET)
IC6002 TC35095AF AD CONV.
IC6001 MC74HC589 SHIFT REGISTER
IC6004 MC74HC74AF D-FF
IC6005 TC7W125FU BUFF
IC6003 (1/6) MC74HC14 INV.
IC6003 (2/6) MC74HC14 INV.
IC6003 (3/6) MC74HC14 INV.
IC6003 (4/6) MC74HC14 INV.
IC6003 (5/6) MC74HC14 INV.
IC6003 (6/6) MC74HC14 INV.
D6001 MA111-TX
D6002 MA111-TX
D6003 MA111-TX
D6004 MA111-TX
C6008 100 6.3V :AL-CP
C6005 0.01 F:CHIP
C6020 22 16V :AL-CP
C6021 22 16V :AL-CP
C6022 100 6.3V :AL-CP
C6023 100 16V :AL-CP
C6024 22 16V :AL-CP
C6025 100p :CHIP
C6026 22 16V :AL-CP
C6027 100p :CHIP
C6028 0.1 :CHIP
C6002 0.01 F:CHIP
C6034 0.01 F:CHIP
C6035 0.01 F:CHIP
C6004 0.1 :CHIP
C6012 47 16V :AL-CP
C6029 0.1 :CHIP
C6030 0.1 :CHIP
C6031 0.1 :CHIP
C6032 0.1 :CHIP
C6033 0.1 :CHIP
R6030 10k :CHIP
R6031 10k :CHIP
R6029 1k :CHIP
R6028 1k :CHIP
R6008 12k :RN-CP
R6050 8.2k :RN-CP
R6007 12k :RN-CP
R6051 8.2k :RN-CP
R6052 1k :CHIP
R6040 100k :CHIP
R6035 100 :CHIP
R6036 100 :CHIP
R6037 100 :CHIP
R6058 10k :CHIP
R6059 10k :CHIP
R6060 10k :CHIP
R6061 10k :CHIP
R6062 10k :CHIP
R6053 10 :CHIP
R6054 10 :CHIP
R6055 10 :CHIP
R6056 10 :CHIP
R6057 10 :CHIP
L6001 100µH
5V
+5V
+12V
TO S1 BOARD CN1201
CN6003 7P RED :ELCO
+12V, PHOTOSENS.2, GND, PHOTO SW, STBY +5V, THERMO2, GND
TO S1 BOARD CN1201
CN6002 7P WHT :ELCO
+12V, PHOTO SENS 1, GND, PHOTO SW, STBY +5V, THERMO1, GND
TO G1 BOARD CN5005
CN6004 5P :ELCO
THERMO1, GND, DMP-CLK, DMP-DI, FALED-CS
TO B BOARD (7/9) CN16
CN6005 10P
SCK, SDTX, SDRX, FAIL-CS, FASR-CS, GND, STBY +5V, GND, +12VA, +12VA
TO B BOARD (7/9) CN17
CN6001 10P
NC, FALED-CS, 160V SEN, 60V SEN, FAN5, FAN4, FAN3, FAN2, FAN1, GND
IN 1, IN 2, IN 3, IN 4, IN 5, IN 6, IN 7, NC, IN 8, GND
VCC, CS, DI, CLK, SARS, DO, SE, NC, VREF, AGND
IN (B), IN (C), IN (D), IN (E), IN (F), IN (G), IN (H), GND
VCC, IN (A), SA, LOAD, LATCH, CLK, CS, DO
RST1, D1, CLK1, SET1, Q1, GND, VCC, RST2, D2, CLK2, SET2, Q2
VCC, OE2, OUT1, IN2, OE1, IN1, OUT2, GND
4.0
4.0
4.9
1.4
1.6
2.3
1.5
5.3
5.3
4.9
B-SS9583<U/C>-AI.

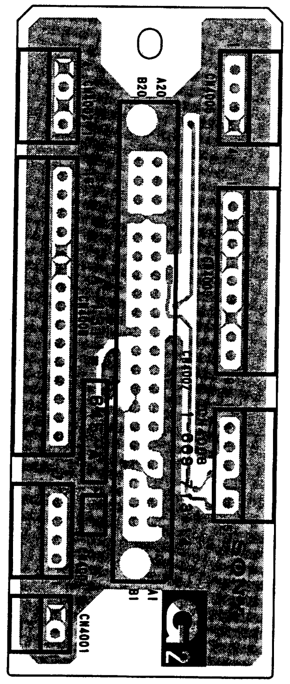

TO K BOARD CN502
AUDIO- 1
AUDIO- 2
AUDIO+B 3
AUDIO+B 4
CN5002 4P :WHT :ELCO
TO K BOARD CN503
MON ROUT 1
GND 2
MON LOUT 3
GND 4
SP ROUT (-) 5
SP ROUT (+) 6
GND 7
SP LOUT (-) 8
SP LOUT (+) 9
CN5001 9P :WHT :ELCO
AUDIO (R)
AUDIO (L)
TO G2 BOARD CN4007
GND A1
THERMO1 B1
DMP-DI A2
DMP-CLK B2
GND A3
FALED-CS B3
SP.LOUT (+) A4
GND B4
GND A5
SP LOUT (-) B5
SP ROUT (-) A6
SP.ROUT (+) B6
MON LOUT A7
GND B7
MON ROUT A8
GND B8
AUDIO+B A9
AUDIO+B B9
AUDIO- A10
AUDIO- B10
SIRCS IN A11
GND B11
STBY A12
SIRCS OUT B12
STBY+5V A13
STBY+5V B13
5VD A14
5VD B14
DGND A15
DGND B15
6.2V A16
6 2V B16
GND A17
GND B17
13 5V A18
13 5V B18
12V A19
12V B19
160V_SEN A20
60V_SEN B20
CN5006 40P
AUDIO (R)
STBY+5V
+5VD
+6.2V
+13.5V
+12V
G1 (CONNECTION)
CN5005 5P :RED :ELCO
1 THERMO1
2 GND
3 DMP-CLK
4 DMP-DI
5 FALED-CS
TO A1 BOARD CN6004
CN5003 3PIN :RED :ELCO
1 CIRCS IN
2 CIRCS OUT
3 GND
TO H2 BOARD (1/2) CN871
1 STBY
2 STBY+5V
3 5VD
4 5VD
5 DGND
6 DGND
7 6 2V
8 6 2V
9 GND
10 GND
11 13 5V
12 12V
13 12V
14 60V_SEN
15 160V_SEN
TO B BOARD (2/9) CN6
TO YM BOARD CN6503
B-SS9583<U/C>-G1 -EPS05
CN5004 15P :WHT :ELCO



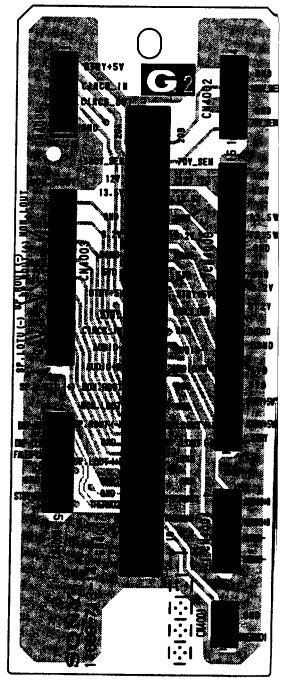
G1 - A SIDE -
SUFFIX: -14



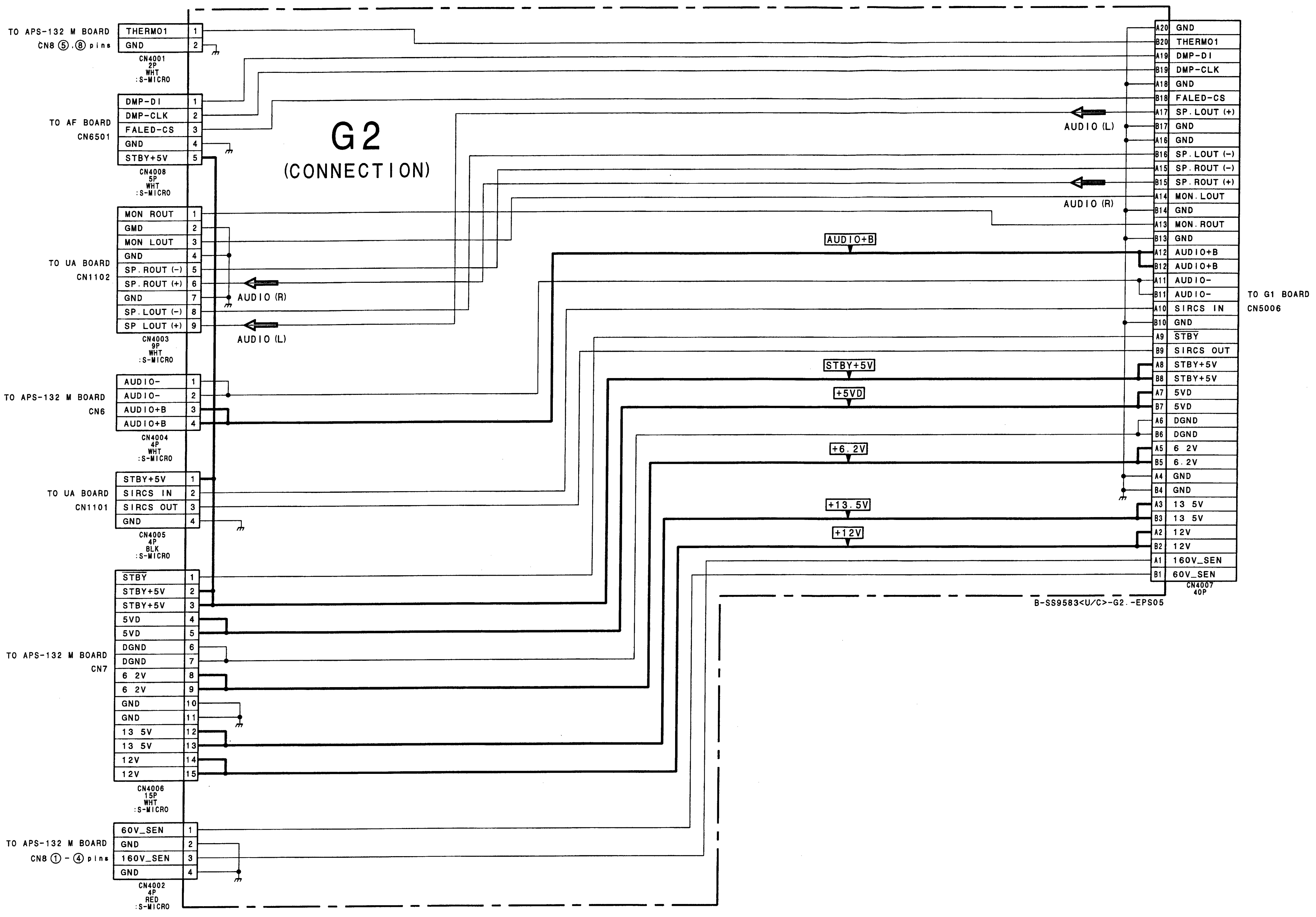
G1 - B SIDE -
SUFFIX: -14



G2 - A SIDE -
SUFFIX: -14



G2 - B SIDE -
SUFFIX: -14


G2
(CONNECTION)
TO APS-132 M BOARD CN8 ⑤.⑧ pins
THERMO1 1
GND 2
CN4001 2P WHT :S-MICRO
TO AF BOARD CN6501
DMP-DI 1
DMP-CLK 2
FALED-CS 3
GND 4
STBY+5V 5
CN4008 5P WHT :S-MICRO
TO UA BOARD CN1102
MON ROUT 1
GMD 2
MON LOUT 3
GND 4
SP.ROUT (-) 5
SP.ROUT (+) 6
GND 7
SP.LOUT (-) 8
SP LOUT (+) 9
CN4003 9P WHT :S-MICRO
AUDIO (R)
AUDIO (L)
TO APS-132 M BOARD CN6
AUDIO- 1
AUDIO- 2
AUDIO+B 3
AUDIO+B 4
CN4004 4P WHT :S-MICRO
TO UA BOARD CN1101
STBY+5V 1
SIRCS IN 2
SIRCS OUT 3
GND 4
CN4005 4P BLK :S-MICRO
TO APS-132 M BOARD CN7
STBY 1
STBY+5V 2
STBY+5V 3
5VD 4
5VD 5
DGND 6
DGND 7
6 2V 8
6 2V 9
GND 10
GND 11
13 5V 12
13 5V 13
12V 14
12V 15
CN4006 15P WHT :S-MICRO
TO APS-132 M BOARD CN8 ①-④ pins
60V_SEN 1
GND 2
160V_SEN 3
GND 4
CN4002 4P RED :S-MICRO
AUDIO+B
STBY+5V
+5VD
+6.2V
+13.5V
+12V
AUDIO (L)
AUDIO (R)
A20 GND
B20 THERMO1
A19 DMP-DI
B19 DMP-CLK
A18 GND
B18 FALED-CS
A17 SP.LOUT (+)
B17 GND
A16 GND
B16 SP.LOUT (-)
A15 SP.ROUT (-)
B15 SP.ROUT (+)
A14 MON.LOUT
B14 GND
A13 MON.ROUT
B13 GND
A12 AUDIO+B
B12 AUDIO+B
A11 AUDIO-
B11 AUDIO-
A10 SIRCS IN
B10 GND
A9 STBY
B9 SIRCS OUT
A8 STBY+5V
B8 STBY+5V
A7 5VD
B7 5VD
A6 DGND
B6 DGND
A5 6 2V
B5 6.2V
A4 GND
B4 GND
A3 13 5V
B3 13 5V
A2 12V
B2 12V
A1 160V_SEN
B1 60V_SEN
CN4007 40P
TO G1 BOARD CN5006
B-SS9583<U/C>-G2.-EPS05

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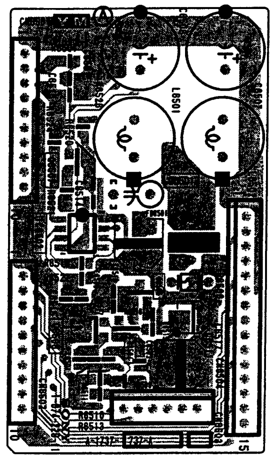
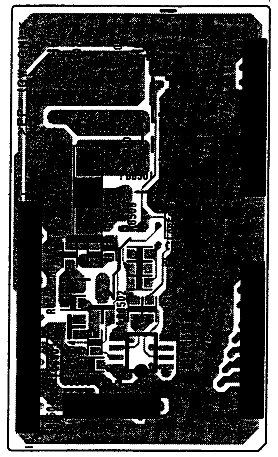


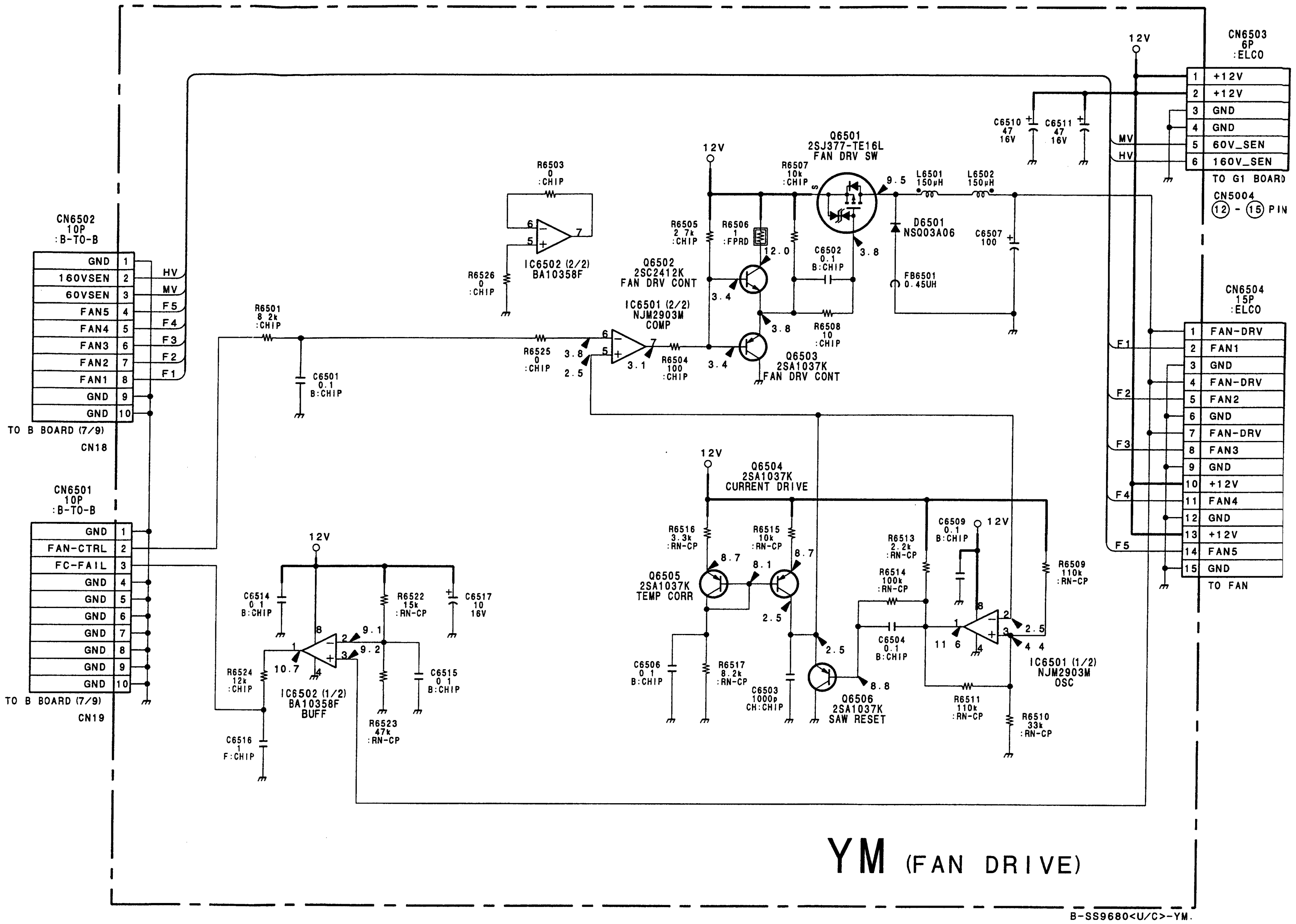
YM - A SIDE -

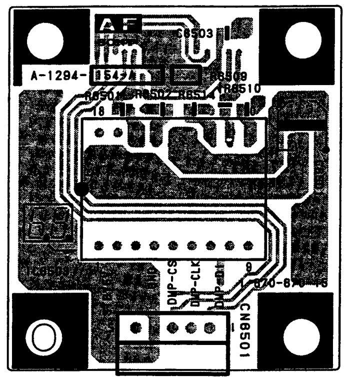
SUFFIX: -11



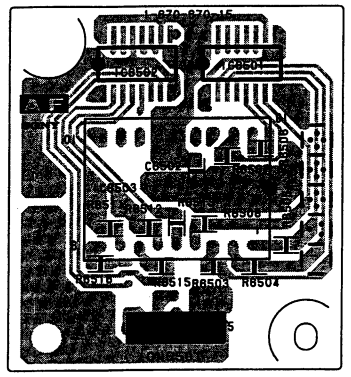
YM - B SIDE -

SUFFIX: -11

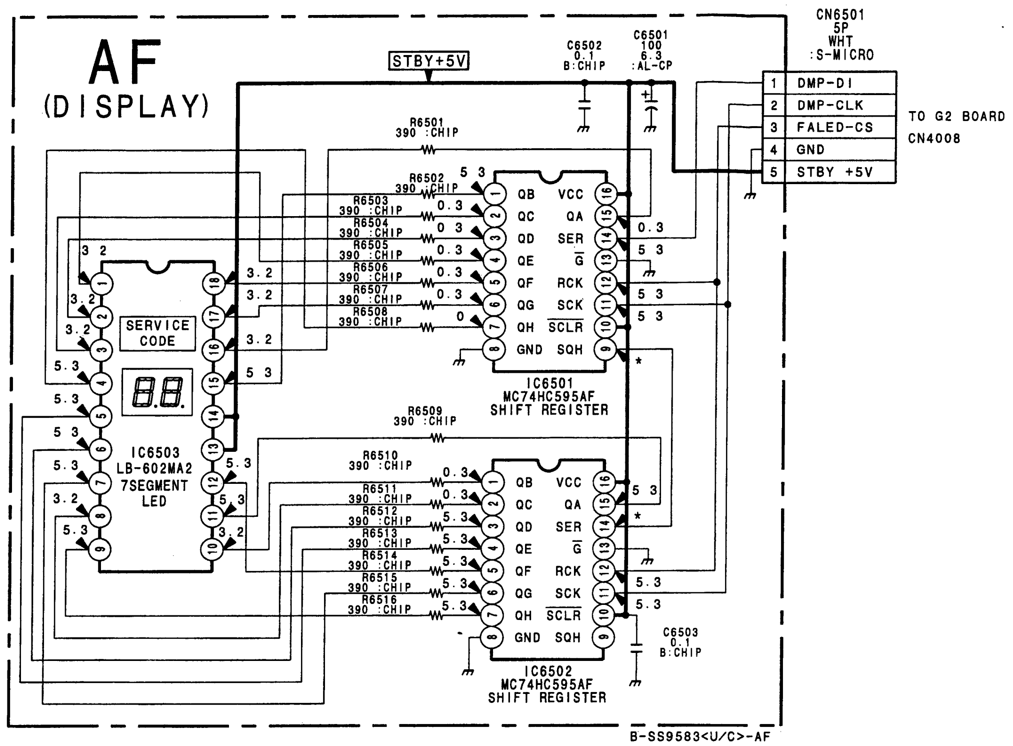

YM (FAN DRIVE)
CN6502 10P :B-TO-B
1 GND
2 160VSEN
3 60VSEN
4 FAN5
5 FAN4
6 FAN3
7 FAN2
8 FAN1
9 GND
10 GND
TO B BOARD (7/9) CN18
CN6501 10P :B-TO-B
1 GND
2 FAN-CTRL
3 FC-FAIL
4 GND
5 GND
6 GND
7 GND
8 GND
9 GND
10 GND
TO B BOARD (7/9) CN19
HV
MV
F5
F4
F3
F2
F1
R6501 8.2k :CHIP
C6501 0.1 B:CHIP
R6503 0 :CHIP
IC6502 (2/2) BA10358F
R6526 0 :CHIP
R6525 0 :CHIP
IC6501 (2/2) NJM2903M COMP
R6504 100 :CHIP
R6505 2.7k :CHIP
R6506 1 :FPRD
Q6502 2SC2412K FAN DRV CONT
Q6503 2SA1037K FAN DRV CONT
R6508 10 :CHIP
C6502 0.1 B:CHIP
R6507 10k :CHIP
Q6501 2SJ377-TE16L FAN DRV SW
D6501 NS003A06
FB6501 0.45UH
L6501 150uH
L6502 150uH
C6507 100
C6510 47 16V
C6511 47 16V
12V
CN6503 6P :ELCO
1 +12V
2 +12V
3 GND
4 GND
5 60V_SEN
6 160V_SEN
TO G1 BOARD CN5004 ⑫ - ⑮ PIN
CN6504 15P :ELCO
1 FAN-DRV
2 FAN1
3 GND
4 FAN-DRV
5 FAN2
6 GND
7 FAN-DRV
8 FAN3
9 GND
10 +12V
11 FAN4
12 GND
13 +12V
14 FAN5
15 GND
TO FAN
Q6504 2SA1037K CURRENT DRIVE
R6516 3.3k :RN-CP
R6515 10k :RN-CP
Q6505 2SA1037K TEMP CORR
C6506 0.1 B:CHIP
R6517 8.2k :RN-CP
C6503 1000p CH:CHIP
Q6506 2SA1037K SAW RESET
R6513 2.2k :RN-CP
R6514 100k :RN-CP
C6509 0.1 B:CHIP
C6504 0.1 B:CHIP
R6511 110k :RN-CP
R6510 33k :RN-CP
R6509 110k :RN-CP
IC6501 (1/2) NJM2903M OSC
C6514 0.1 B:CHIP
R6522 15k :RN-CP
C6517 10 16V
R6524 12k :CHIP
IC6502 (1/2) BA10358F BUFF
R6523 47k :RN-CP
C6515 0.1 B:CHIP
C6516 1 F:CHIP
9.5
12.0
3.8
3.4
3.1
2.5
8.7
8.1
8.8
11
4.4
10.7
9.1
9.2
B-SS9680<U/C>-YM.

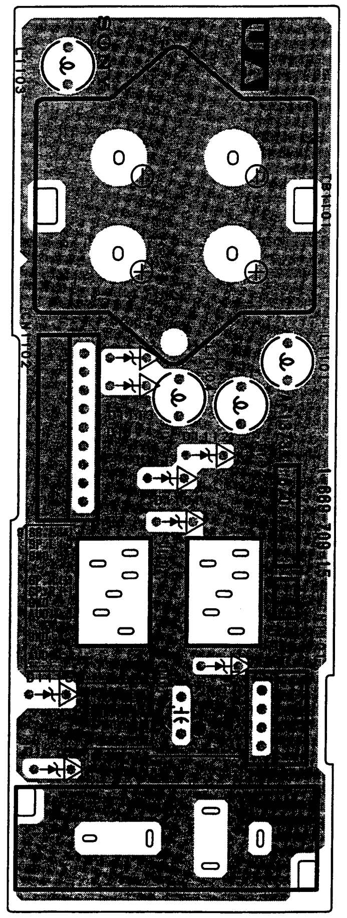

AF
A-1294-
CN6501
DMP-CS
DMP-CLK
C6503
R6509
R6510

AF - A SIDE -
SUFFIX: -15

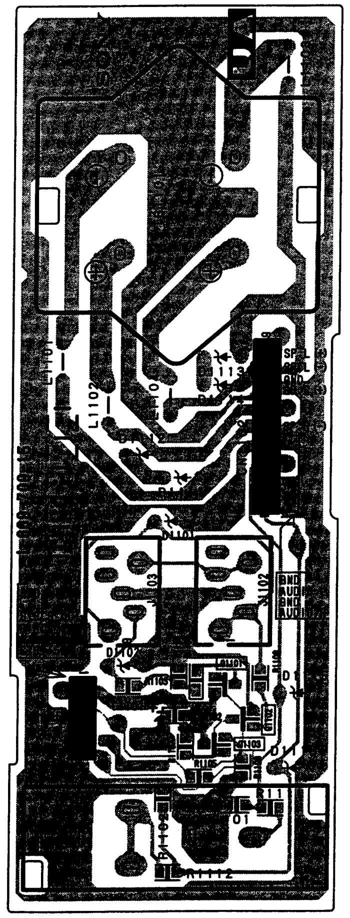

AF
C6502
C6501
R6515
R6503
R6504

AF - B SIDE -
SUFFIX: -15

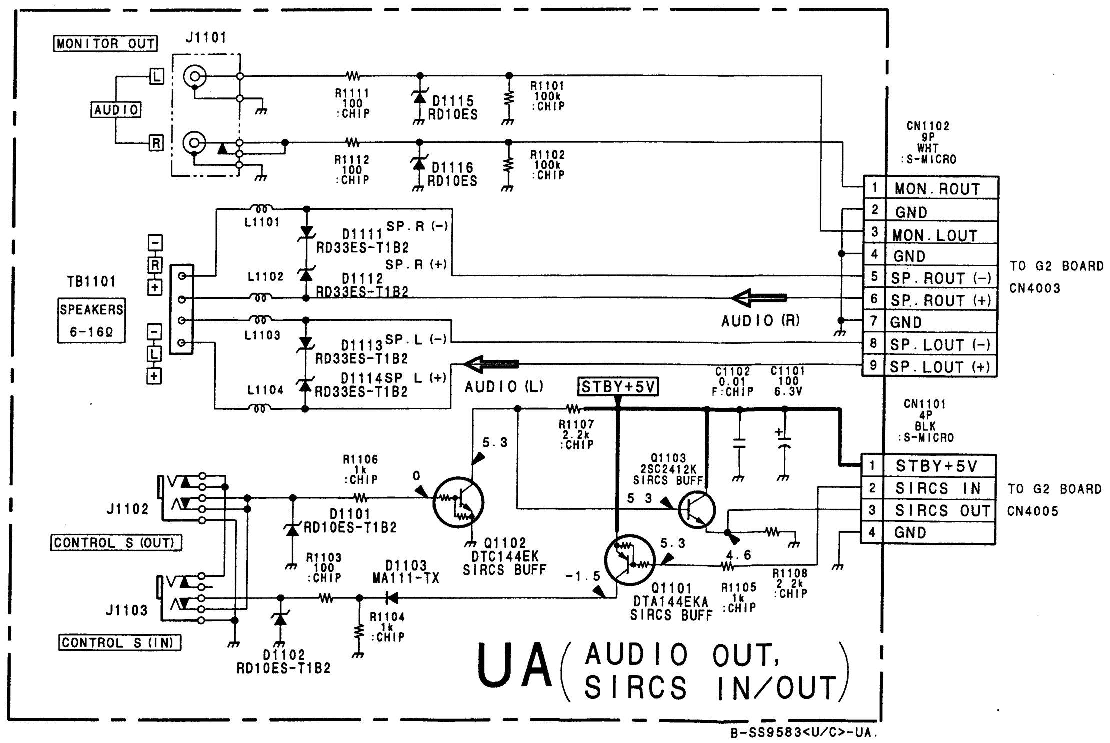

AF
(DISPLAY)
STBY+5V
C6502 0.1 B:CHIP
C6501 100 6.3 :AL-CP
CN6501 5P WHT :S-MICRO
1 DMP-DI
2 DMP-CLK
3 FALED-CS
4 GND
5 STBY +5V
TO G2 BOARD CN4008
R6501 390 :CHIP
IC6501 MC74HC595AF SHIFT REGISTER
IC6502 MC74HC595AF SHIFT REGISTER
IC6503 LB-602MA2 7SEGMENT LED
SERVICE CODE
QB QC QD QE QF QG QH GND VCC QA SER G RCK SCK SCLR SQH
R6509 390 :CHIP
C6503 0.1 B:CHIP
B-SS9583<U/C>-AF

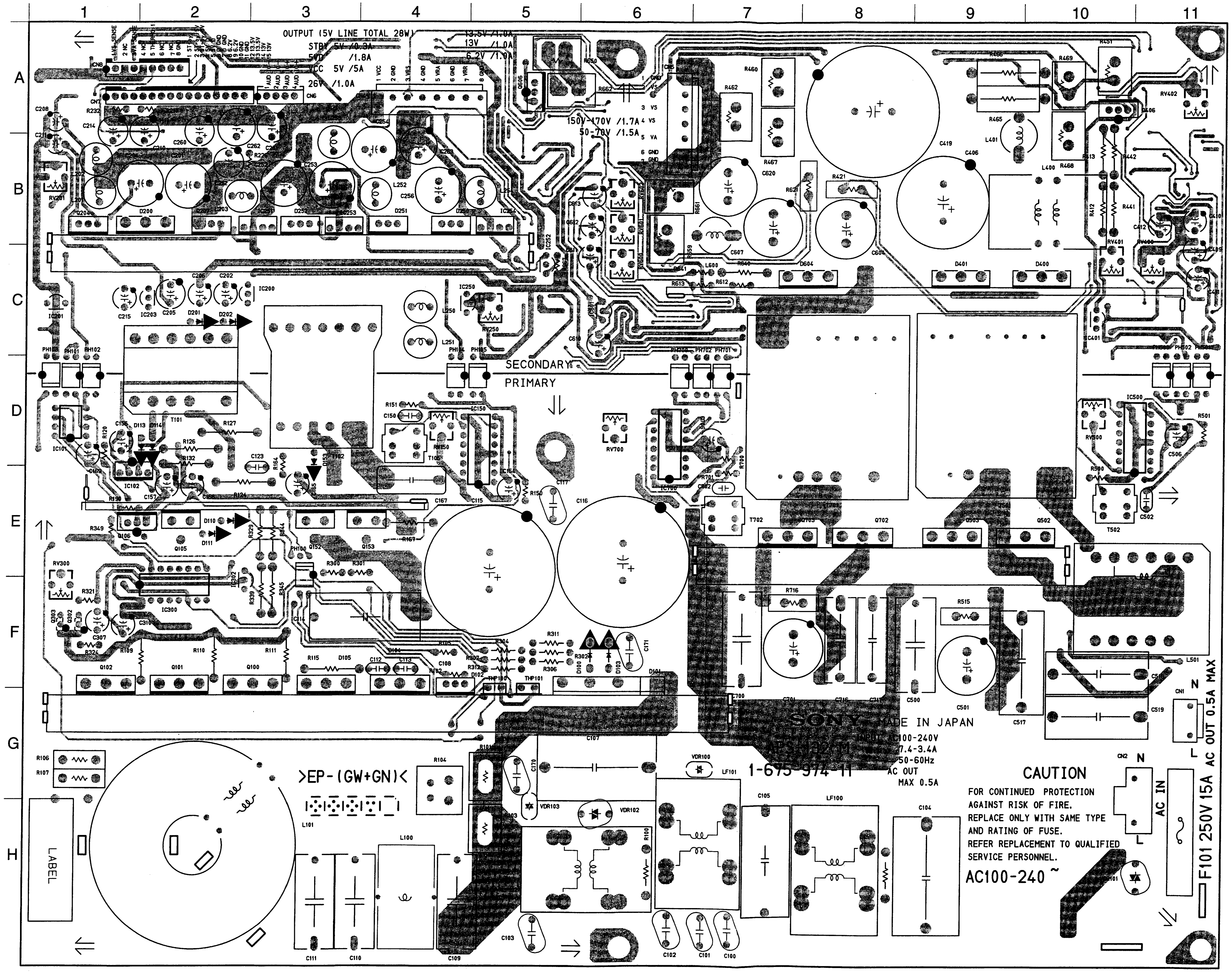


UA - A SIDE -
SUFFIX: -15


UA
L1101
L1102
R1112

UA - B SIDE -
SUFFIX: -15


MONITOR OUT
AUDIO
J1101
R1111 100 :CHIP
D1115 RD10ES
R1101 100k :CHIP
R1112 100 :CHIP
D1116 RD10ES
R1102 100k :CHIP
TB1101
SPEAKERS 6-16Ω
L1101 L1102 L1103 L1104
D1111 SP.R (-) RD33ES-T1B2
D1112 SP.R (+) RD33ES-T1B2
D1113 SP.L (-) RD33ES-T1B2
D1114 SP L (+) RD33ES-T1B2
AUDIO (R)
AUDIO (L)
STBY+5V
CN1102 9P WHT :S-MICRO
1 MON. ROUT
2 GND
3 MON. LOUT
4 GND
5 SP. ROUT (-)
6 SP. ROUT (+)
7 GND
8 SP. LOUT (-)
9 SP. LOUT (+)
TO G2 BOARD CN4003
C1102 0.01 F:CHIP
C1101 100 6.3V
CN1101 4P BLK :S-MICRO
1 STBY+5V
2 SIRCS IN
3 SIRCS OUT
4 GND
TO G2 BOARD CN4005
J1102
CONTROL S (OUT)
J1103
CONTROL S (IN)
R1106 1k :CHIP
D1101 RD10ES-T1B2
R1103 100 :CHIP
D1103 MA111-TX
R1104 1k :CHIP
D1102 RD10ES-T1B2
Q1102 DTC144EK SIRCS BUFF
Q1103 2SC2412K SIRCS BUFF
Q1101 DTA144EKA SIRCS BUFF
R1107 2.2k :CHIP
R1105 1k :CHIP
R1108 2.2k :CHIP
UA (AUDIO OUT, SIRCS IN/OUT)
B-SS9583<U/C>-UA


1
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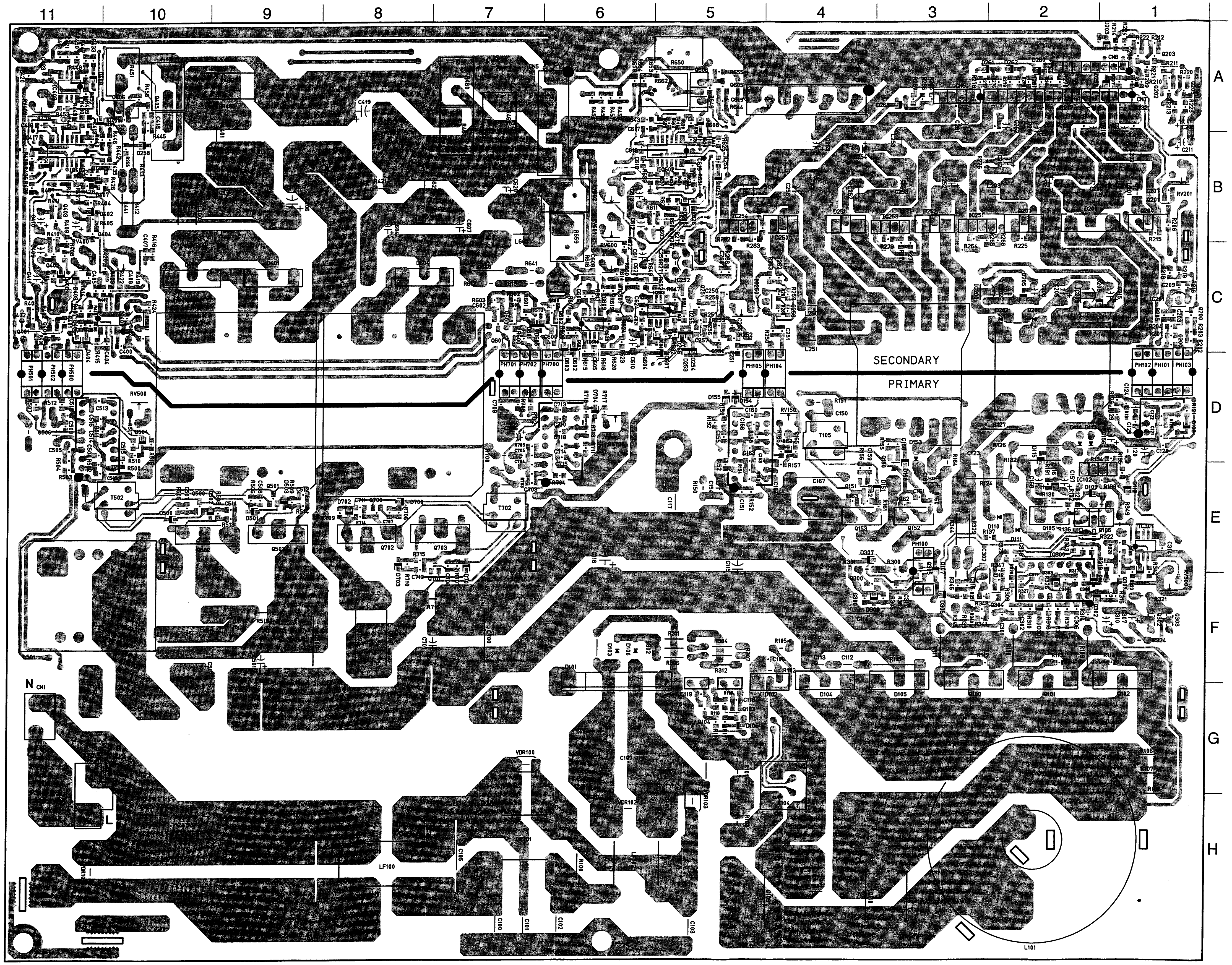
10
11
A
B
C
D
E
F
G
H
OUTPUT (5V LINE TOTAL 28W)
STBY 5V /0.3A
5VD /1.8A
VCC 5V /5A
26V /1.0A
13.5V /1.0A
13V /1.0A
6.2V /1.0A
150V-170V /1.7A
50-70V /1.5A
SECONDARY
PRIMARY
>EP-(GW+GN)<
LABEL
SONY MADE IN JAPAN
AC100-240V
50-60Hz
AC OUT
MAX 0.5A
1-675-974-11
CAUTION
FOR CONTINUED PROTECTION
AGAINST RISK OF FIRE,
REPLACE ONLY WITH SAME TYPE
AND RATING OF FUSE.
REFER REPLACEMENT TO QUALIFIED
SERVICE PERSONNEL.
AC100-240 ~
AC IN
F101 250V 15A
AC OUT 0.5A MAX

APS-132 M - A SIDE -

SUFFIX: -11

APS-132 M BOARD
* : B SIDE

D100	*F-6
D101	*F-6
D102	*F-4
D103	*F-6
D104	*F-4
D105	*F-3
D106	*G-5
D107	*E-3
D108	*D-1
D109	*E-2
D110	*E-2
D111	*E-2
D112	*E-1
D113	*D-2
D114	*D-2
D116	*E-2
D150	*D-3
D151	*E-3
D152	*D-4
D153	*D-3
D154	*D-5
D155	*D-5
D200	*B-2
D201	*C-2
D202	*C-2
D203	*A-1
D205	*C-2
D206	*C-1
D250	*B-4
D251	*B-4
D252	*B-3
D253	*C-5
D254	*C-5
D255	*C-5
D256	*C-5
D257	*B-5
D258	*B-10
D259	*A-1
D260	*A-2
D261	*A-3
D262	*A-2
D263	*A-3
D300	*F-3
D301	*F-2
D302	*F-1
D303	*F-2
D304	*F-2
D305	*F-1
D306	*F-3
D307	*E-4
D400	*C-10
D401	*C-9
D402	*B-12
D403	*C-11
D404	*C-11
D405	*C-11
D406	*C-11
D407	*B-11
D408	*A-11
D409	*A-11
D500	*E-10
D501	*E-9
D502	*E-9
D503	*E-9
D504	*D-10
D600	*C-5
D601	*C-7
D602	*C-6
D603	*C-6
D604	*C-8
D605	*C-7
D606	*B-5
D607	*C-5
D608	*A-5
D700	*E-8
D701	*E-7
D702	*E-8
D703	*E-8
D704	*D-6
IC101	D-1
IC102	*E-2
IC150	D-5
IC200	*C-3
IC201	*C-1
IC203	*C-2
IC250	*C-5
IC251	*B-3
IC252	*C-5
IC253	*B-3
IC254	*B-5
IC300	*F-2
IC301	*E-1
IC302	*F-3
IC400	*C-10
IC401	*C-10
IC402	*B-2
IC403	*A-11
IC500	D-11
IC600	*C-6
IC601	*C-6
IC602	*B-5
IC603	*C-5
IC700	D-6
Q100	*G-3
Q101	*G-2
Q102	*G-1
Q103	*G-5
Q104	*G-5
Q105	*E-2
Q106	*E-2
Q150	*D-3
Q151	*E-4
Q152	*E-3
Q153	*E-4
Q200	*C-1
Q201	*B-1
Q202	*A-1
Q203	*A-1
Q204	*B-1
Q205	*A-1
Q206	*A-1
Q207	*B-2
Q250	*C-5
Q251	*C-5
Q300	*F-4
Q301	*F-1
Q302	*F-1
Q303	*F-1
Q304	*F-2
Q305	*E-3
Q400	*C-11
Q401	*C-11
Q402	*C-11
Q403	*B-11
Q404	*B-11
Q405	*A-10
Q406	*A-10
Q500	*E-10
Q501	*E-9
Q502	*E-10
Q503	*E-9
Q600	*C-7
Q601	*C-7
Q602	*C-6
Q603	*B-6
Q604	*C-6
Q605	*A-5
Q606	*A-5
Q700	*E-8
Q701	*E-7
Q702	*E-8
Q703	*E-7
RV150	*D-4
RV201	*B-1
RV250	*C-5
RV300	*F-1
RV400	*C-11
RV401	*C-10
RV402	*A-11
RV500	*D-10
RV600	*C-6
RV601	*B-6
RV602	*B-6
RV700	*D-6


11
10
9
8
7
6
5
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3
2
1
A
B
C
D
E
F
G
H
SECONDARY
PRIMARY
N
L
CN1
VDR100
LF100
L101
T502
T702
T105

APS-132 M - B SIDE -
SUFFIX: -11

APS-132 M (1/4)

APS-132 M (1/4)

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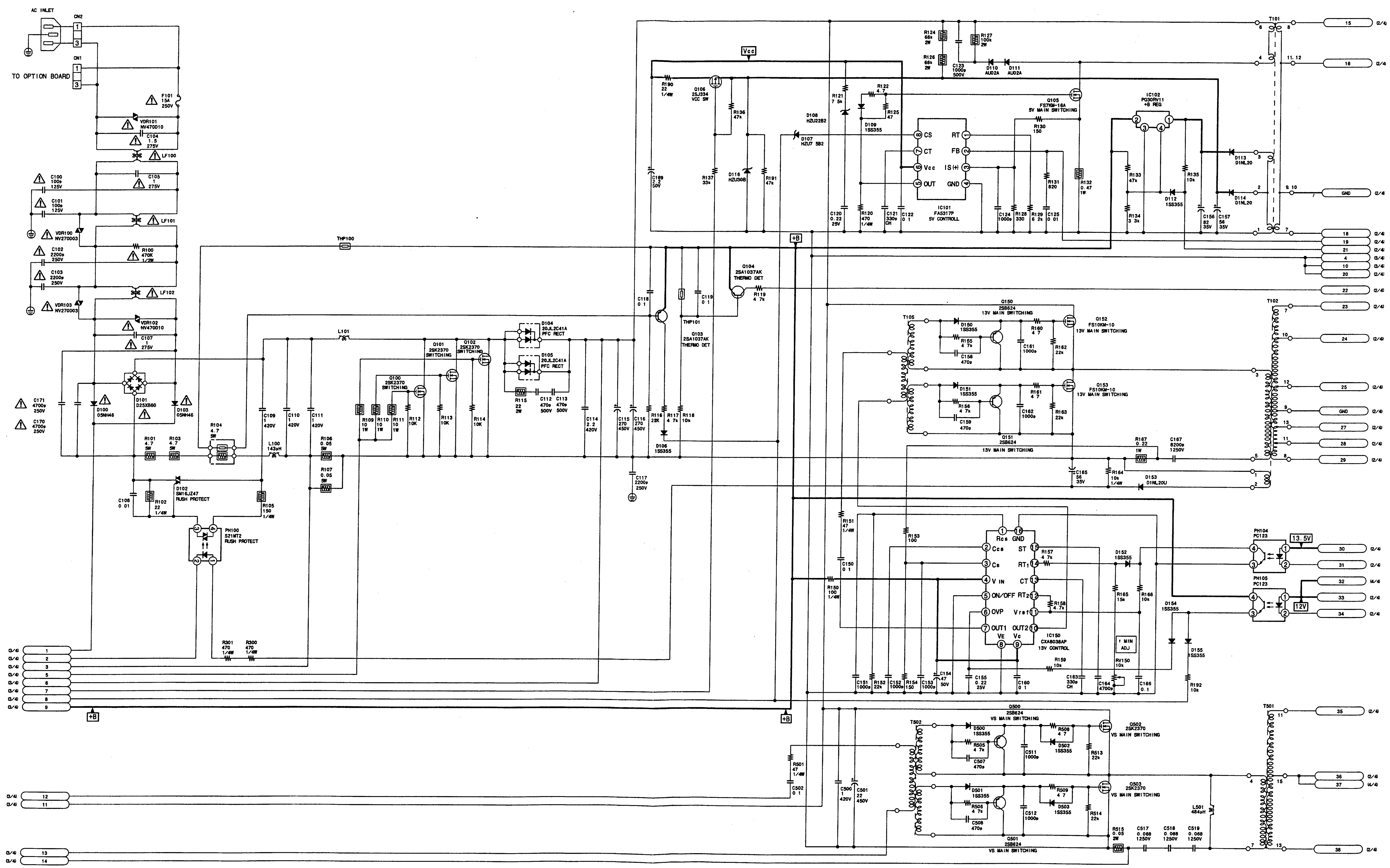
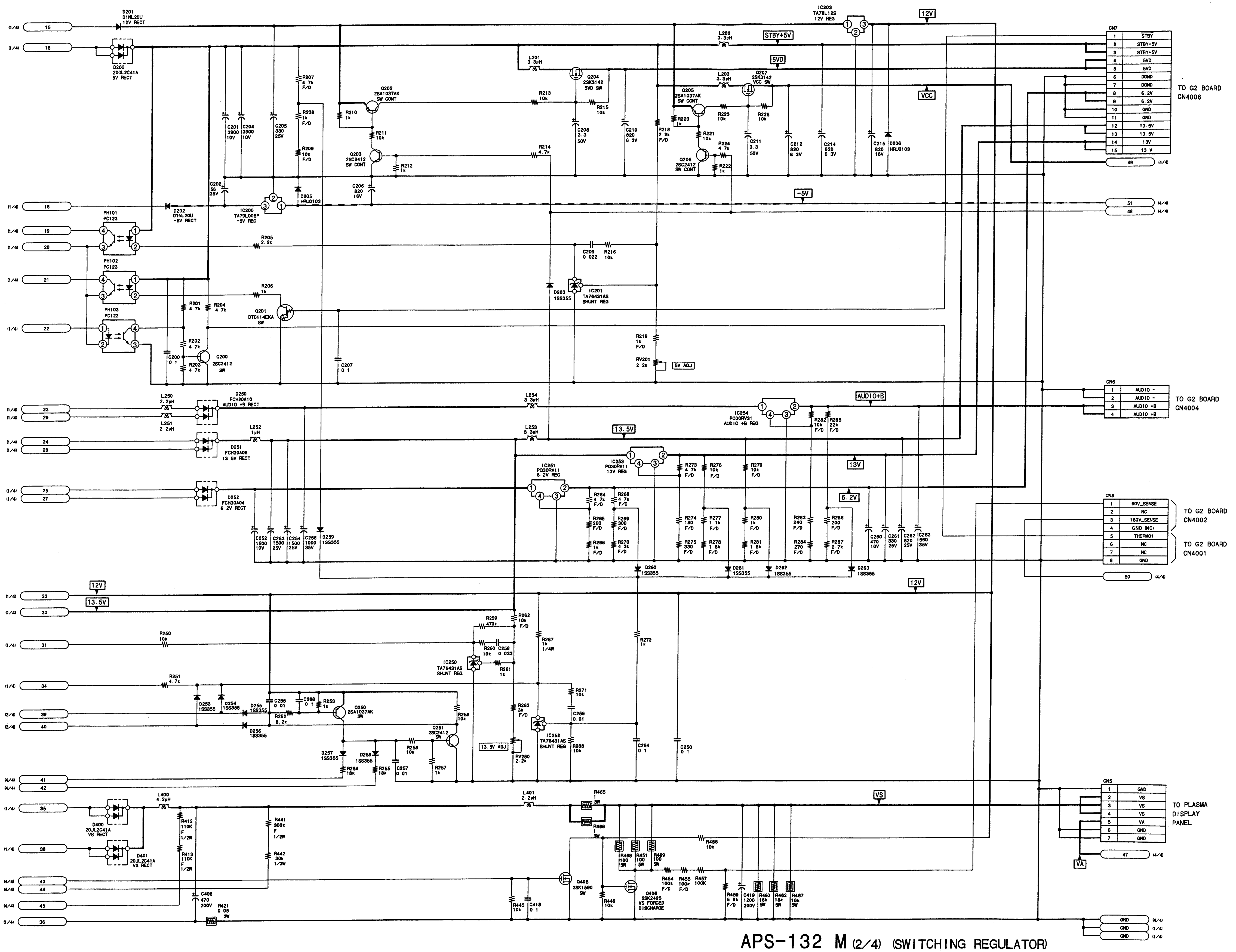

AC INLET
CN2
CN1
TO OPTION BOARD
F101
VDR101
C104
LF100
C100
C105
C101
LF101
VDR100
C102
R100
C103
LF102
VDR103
VDR102
C107
C171
C170
D100
D101
D103
R101
R103
R104
C106
R102
D102
PH100
RUSH PROTECT
R105
THP100
L101
C109
C110
C111
L100
R106
R107
Q100
2SK2370
SWITCHING
Q101
Q102
R109
R110
R111
R112
R113
R114
D104
PFC RECT
D105
R115
C112
C113
C114
C115
C116
C117
C118
C119
THP101
Q103
2SA1037AK
THERMO DET
Q104
R119
R116
R117
R118
D106
R301
R300
+B
Vcc
R190
Q106
2SJ334
VCC SW
R136
R137
D116
R191
C189
D108
D107
R121
R122
R125
D109
R124
R126
R127
C123
D110
D111
Q105
5V MAIN SWITCHING
R130
IC101
FA5317P
5V CONTROLL
CS
CT
Vcc
OUT
RT
FB
IS(+)
GND
C120
R120
C121
C122
C124
R128
R129
C125
R131
R132
IC102
PQ30RV11
+B REG
R133
R134
R135
D112
C156
C157
D113
D114
T101
T105
Q150
2SB624
13V MAIN SWITCHING
D150
R155
C158
R160
C161
R162
Q152
FS10KM-10
13V MAIN SWITCHING
D151
R156
C159
R161
C162
R163
Q153
Q151
R167
C167
C165
R164
D153
T102
R151
R153
C150
R150
IC150
CXA8038AP
13V CONTROL
Rcs
GND
Ccs
ST
Cs
RT1
V IN
CT
ON/OFF
RT2
OVP
Vref
OUT1
OUT2
VE
VC
R157
D152
R158
R165
R166
D154
R159
RV150
MIN ADJ
D155
R192
PH104
PC123
13.5V
PH105
12V
C151
R152
C152
R154
C153
C154
C155
C160
C163
C164
C166
T502
Q500
VS MAIN SWITCHING
D500
R505
C507
C511
R508
D502
R513
Q502
VS MAIN SWITCHING
D501
R506
C508
C512
R509
D503
R514
Q503
Q501
R501
C502
C500
C501
R515
C517
C518
C519
L501
T501
GND

APS-132 M (1/4) (SWITCHING REGULATOR)

9-50

A | B | C | D | E | F | G | H


D201 D1NL20U 12V RECT
D200 20DL2C41A 5V RECT
IC203 TA78L12S 12V REG
12V
L202 3.3µH
STBY+5V
L201 3.3µH
Q204 2SK3142 5VD SW
5VD
L203 3.3µH
Q207 2SK3142 VCC SW
VCC
Q202 2SA1037AK SW CONT
Q203 2SC2412 SW CONT
Q205 2SA1037AK SW CONT
Q206 2SC2412 SW CONT
R207 4.7k F/D
R208 1k F/D
R209 10k F/D
R210 1k
R211 10k
R212 1k
R213 10k
R214 4.7k
R215 10k
R218 2.2k F/D
R220 1k
R221 10k
R222 1k
R223 10k
R224 4.7k
R225 10k
C201 3900 10V
C204 3900 10V
C205 330 25V
C202 56 35V
C206 820 16V
C208 3.3 50V
C210 820 6.3V
C211 3.3 50V
C212 820 6.3V
C214 820 6.3V
C215 820 16V
D206 HRU0103
D205 HRU0103
IC200 TA79L005P -5V REG
-5V
D202 D1NL20U -5V RECT
PH101 PC123
PH102 PC123
PH103 PC123
R205 2.2k
R206 1k
Q201 DTC114EKA SW
R201 4.7k
R204 4.7k
R202 4.7k
R203 4.7k
C200 0.1
Q200 2SC2412 SW
C207 0.1
C209 0.022
R216 10k
D203 1SS355
IC201 TA76431AS SHUNT REG
R219 1k F/D
RV201 2.2k
5V ADJ
CN7
1 STBY
2 STBY+5V
3 STBY+5V
4 5VD
5 5VD
6 DGND
7 DGND
8 6.2V
9 6.2V
10 GND
11 GND
12 13.5V
13 13.5V
14 13V
15 13 V
TO G2 BOARD CN4006
49 (4/4)
51 (4/4)
48 (4/4)
(1/4) 15
(1/4) 16
(1/4) 18
(1/4) 19
(1/4) 20
(1/4) 21
(1/4) 22
L250 2.2µH
L251 2.2µH
D250 FCH20A10 AUDIO +B RECT
L252 1µH
D251 FCH30A06 13.5V RECT
D252 FCH30A04 6.2V RECT
(1/4) 23
(1/4) 29
(1/4) 24
(1/4) 28
(1/4) 25
(1/4) 27
L254 3.3µH
L253 3.3µH
IC254 PQ30RV31 AUDIO +B REG
AUDIO+B
R282 10k F/D
R285 22k F/D
13.5V
IC253 PQ30RV11 13V REG
IC251 PQ30RV11 6.2V REG
13V
6.2V
R264 4.7k F/D
R268 4.7k F/D
R265 200 F/D
R269 300 F/D
R266 1k F/D
R270 4.3k F/D
R273 4.7k F/D
R276 10k F/D
R274 180 F/D
R277 1.1k F/D
R275 330 F/D
R278 1.8k F/D
R279 10k F/D
R280 1k F/D
R281 1.8k F/D
R283 240 F/D
R284 270 F/D
R286 200 F/D
R287 2.7k F/D
C252 1500 10V
C253 1500 25V
C254 1500 25V
C256 1000 35V
D259 1SS355
C260 470 10V
C261 330 25V
C262 820 25V
C263 560 35V
D260 1SS355
D261 1SS355
D262 1SS355
D263 1SS355
CN6
1 AUDIO -
2 AUDIO -
3 AUDIO +B
4 AUDIO +B
TO G2 BOARD CN4004
CN8
1 60V_SENSE
2 NC
3 160V_SENSE
4 GND (NC)
5 THERMO1
6 NC
7 NC
8 GND
TO G2 BOARD CN4002
TO G2 BOARD CN4001
50 (4/4)
12V
13.5V
(1/4) 33
(1/4) 30
(1/4) 31
(1/4) 34
(3/4) 39
(3/4) 40
R250 10k
R251 4.7k
R259 470k
R262 18k F/D
R260 10k
C258 0.033
R261 1k
R267 1k 1/4W
IC250 TA76431AS SHUNT REG
R272 1k
D253 1SS355
D254 1SS355
D255 1SS355
D256 1SS355
C255 0.01
C268 0.1
R253 1k
R252 8.2k
Q250 2SA1037AK SW
R258 10k
Q251 2SC2412 SW
R256 10k
R257 1k
D257 1SS355
D258 1SS355
R254 18k
R255 18k
C257 0.01
R263 3k F/D
13.5V ADJ
RV250 2.2k
IC252 TA76431AS SHUNT REG
R271 10k
C259 0.01
R288 10k
C264 0.1
C250 0.1
(4/4) 41
(4/4) 42
(1/4) 35
(1/4) 38
(4/4) 43
(4/4) 44
(4/4) 45
(1/4) 36
L400 4.2µH
D400 20JL2C41A VS RECT
D401 20JL2C41A VS RECT
R412 110K F 1/2W
R413 110K F 1/2W
R441 300k F 1/2W
R442 30k 1/2W
C406 470 200V
R421 0.05 2W
L401 2.2µH
R465 1 3W
R466 1 3W
VS
R468 100 5W
R451 100 5W
R469 100 5W
R456 10k
Q405 2SK1590 SW
Q406 2SK2425 VS FORCED DISCHARGE
R454 100k F/D
R455 100k F/D
R457 100K
R445 10k
C418 0.1
R449 10k
R459 6.8k F/D
C419 1200 200V
R460 16k 5W
R462 16k 5W
R467 16k 5W
CN5
1 GND
2 VS
3 VS
4 VS
5 VA
6 GND
7 GND
TO PLASMA DISPLAY PANEL
47 (4/4)
VA
GND (4/4)
GND (1/4)
GND (1/4)

APS-132 M (2/4) (SWITCHING REGULATOR)

APS-132 M (3/4)

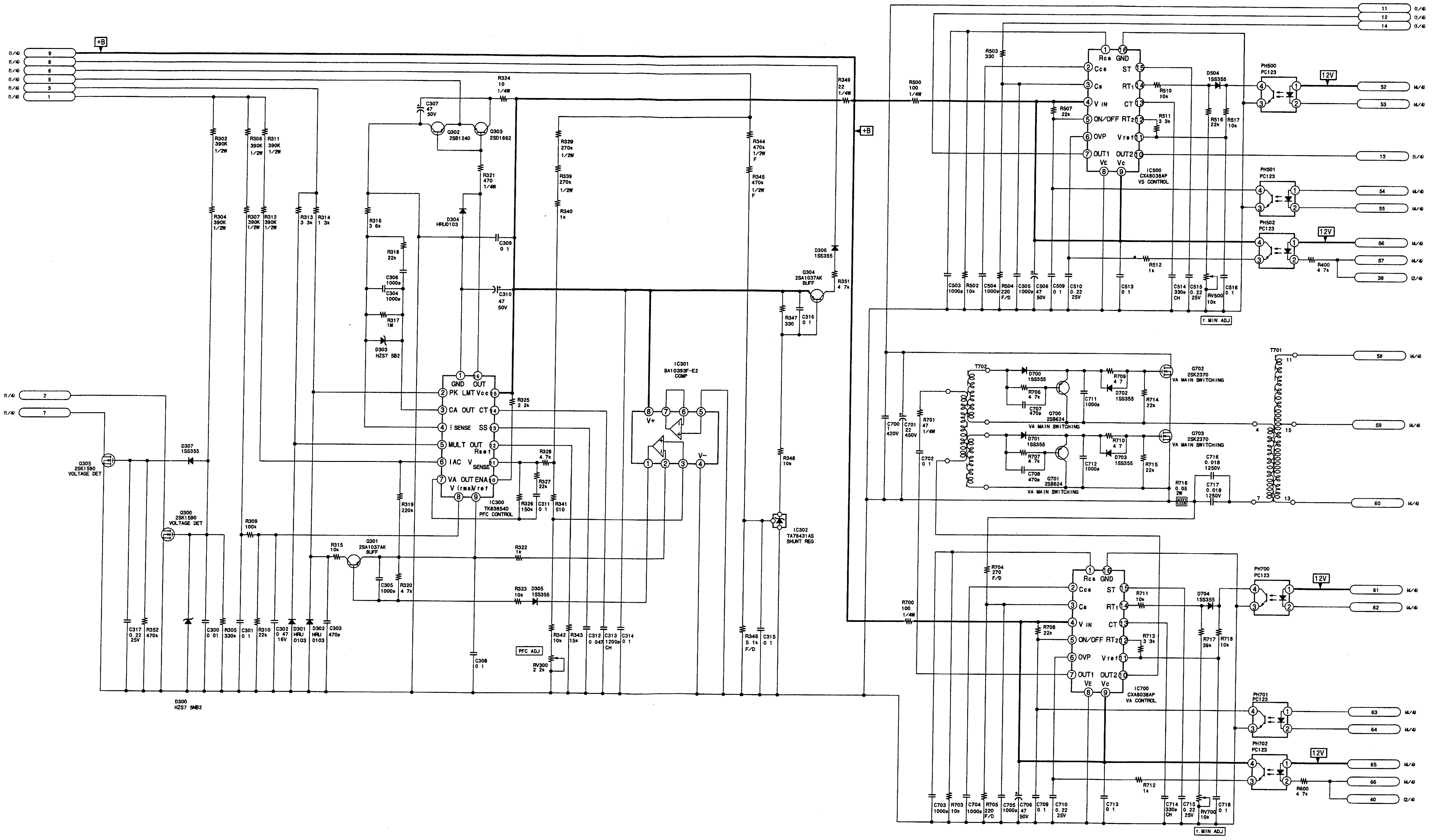
1

2

3

4

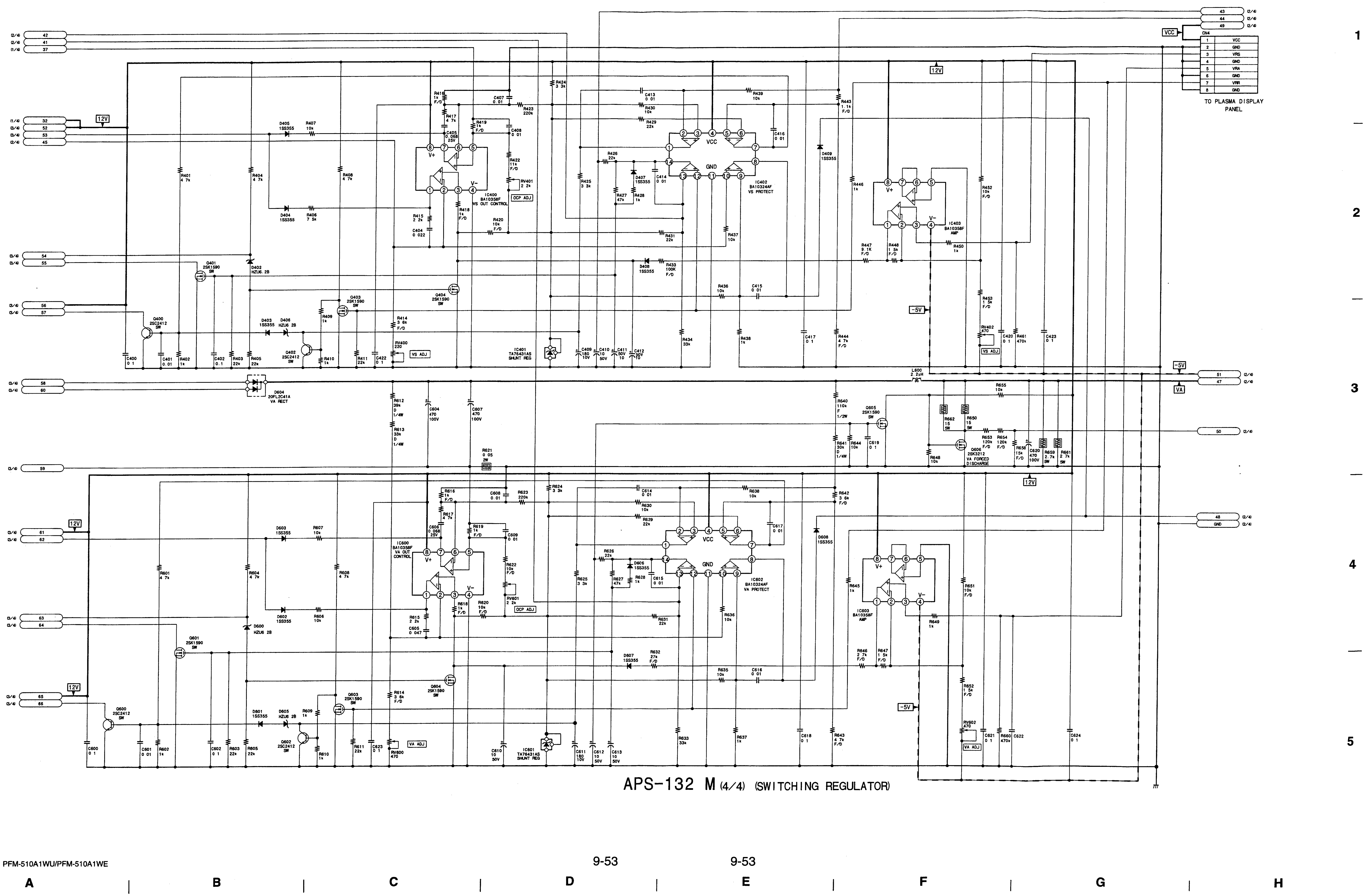
5


+B
IC300
TK83854D
PFC CONTROL
GND OUT
PK LMT Vcc
CA OUT CT
I SENSE SS
MULT OUT Rset
IAC V SENSE
VA OUT ENA
V (rms) Vref
Q302
2SB1240
Q303
2SD1862
Q305
2SK1590
VOLTAGE DET
Q300
2SK1590
VOLTAGE DET
Q301
2SA1037AK
BUFF
Q304
2SA1037AK
BUFF
IC301
BA10393F-E2
COMP
IC302
TA76431AS
SHUNT REG
D300
HZS7 5NB2
D303
HZS7 5B2
D304
HRU0103
D306
1SS355
D307
1SS355
PFC ADJ
RV300
2.2k
IC500
CXA8038AP
VS CONTROL
IC700
CXA8038AP
VA CONTROL
Rcs GND
Ccs ST
Cs RT1
V IN CT
ON/OFF RT2
OVP Vref
OUT1 OUT2
VE Vc
PH500
PC123
PH501
PC123
PH502
PC123
PH700
PC123
PH701
PC123
PH702
PC123
12V
f.MIN ADJ
T701
T702
Q700
2SB624
Q701
2SB624
VA MAIN SWITCHING
Q702
2SK2370
VA MAIN SWITCHING
Q703
2SK2370
VA MAIN SWITCHING

APS-132 M (3/4) (SWITCHING REGULATOR)

9-52

A | B | C | D | E | F | G | H


1
2
3
4
5
A
B
C
D
E
F
G
H
VCC
CN4
1 VCC
2 GND
3 VRS
4 GND
5 VRA
6 GND
7 VRR
8 GND
TO PLASMA DISPLAY PANEL
12V
-5V
VA
IC400 BA10358F VS OUT CONTROL
IC401 TA76431AS SHUNT REG
IC402 BA10324AF VS PROTECT
IC403 BA10358F AMP
IC600 BA10358F VA OUT CONTROL
IC601 TA76431AS SHUNT REG
IC602 BA10324AF VA PROTECT
IC603 BA10358F AMP
Q400 2SC2412 SW
Q401 2SK1590 SW
Q402 2SC2412 SW
Q403 2SK1590 SW
Q404 2SK1590 SW
Q600 2SC2412 SW
Q601 2SK1590 SW
Q602 2SC2412 SW
Q603 2SK1590 SW
Q604 2SK1590 SW
Q605 2SK1590 SW
Q606 2SK3212 VA FORCED DISCHARGE
D604 20FL2C41A VA RECT
D402 HZU6.2B
D600 HZU6.2B
L600 2.2µH
OCP ADJ
VS ADJ
VA ADJ
VCC
GND

APS-132 M (4/4) (SWITCHING REGULATOR)